MODULAR SYNTHESIS PLUG-IN SYSTEM

DATA LIST
DATEN-LISTE
LISTE DE DONNÉES

MUSIC PRODUCTION SYNTHESIZER

Integrated Sampling Sequencer / Real-Time External Control Surface / Modular Synthesis Plug-in System

MOTIF6
MOTIF7
MOTIF8

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YAMAHA

Voice List

PRE1 (MSB 63, LSB 0)

Number		Voice Name	Category	Sub Category
1	A01	PowerGrand	Ap	A PIANO
2	A02	Jazz Grand	Ap	A PIANO
3	A03	Dark Grand	Ap	A PIANO
4	A04	CP 80	Ap	E GRAND
5	A05	CP80&EP	Kb	E.PIANO
6	A06	Yama EP's	Kb	OTHER
7	A07	BalladKeys	Ap	OTHER
8	A08	80s Layer	Ap	OTHER
9	A09	Piano&Strg	Ap	OTHER
10	A10	Piano Ooh	Ap	OTHER
11	A11	PianoBakup	Ap	OTHER
12	A12	Max Tine	Kb	E.PIANO
13	A13	Early Fusn	Kb	E.PIANO
14	A14	Vintage'74	Kb	E.PIANO
15	A15	Sweetness	Kb	E.PIANO
16	A16	DynoStrait	Kb	E.PIANO
17	B01	ChorusHard	Kb	E.PIANO
18	B02	VintagCase	Kb	E.PIANO
19	B03	ChorusDyno	Kb	E.PIANO
20	B04	80th Boost	Kb	E.PIANO
21	B05	Contempo	Kb	E.PIANO
22	B06	Early 70's	Kb	E.PIANO
23	B07	Tonight	Kb	E.PIANO
24	B08	E.PianoPad	Kb	OTHER
25	B09	TX802	Kb	E.PIANO
26	B10	ChorusBel	Kb	E.PIANO
27	B11	BellDX	Kb	E.PIANO
28	B12	Dark DX	Kb	E.PIANO
29	B13	GS Tines	Kb	E.PIANO
30	B14	Rich FM	Kb	E.PIANO
31	B15	FilteredDX	Kb	E.PIANO
32	B16	Ice Piano	Kb	OTHER
33	C01	WurliTrem	Kb	E.PIANO
34	C02	WurliAmped	Kb	E.PIANO
35	C03	TouchClavi	Kb	CLAVI
36	C04	SuperClavi	Kb	CLAVI
37	C05	StereoClav	Kb	CLAVI
38	C06	HollowClav	Kb	CLAVI
39	C07	Nu Phasing	Kb	CLAVI
40	C08	Digi Clavi	Kb	CLAVI
41	C09	PulseClavi	Kb	CLAVI
42	C10	Twinkle	Cp	BELL
43	C11	Stick Bell	Cp	BELL
44	C12	Bell Chiff	Cp	BELL
45	C13	FngrCymbl	Cp	BELL
46	C14	ChorusBell	Cp	BELL
47	C15	Tibetan	Cp	BELL
48	C16	EastBell	Cp	BELL
49	D01	Gamelan	Cp	BELL
50	D02	IceBells	Cp	BELL
51	D03	Digi Bell	Cp	BELL
52	D04	Marimbell	Cp	MALLET
53	D05	16+8+5&1/3	Or	ELECTRIC
54	D06	Petit	Or	ELECTRIC
55	D07	Glassy	Or	ELECTRIC
56	D08	Jazzy	Or	ELECTRIC
57	D09	Slow Jam	Or	ELECTRIC
58	D10	Greasy	Or	ELECTRIC
59	D11	Swishie	Or	ELECTRIC
60	D12	Clean	Or	ELECTRIC
61	D13	Full/CVib	Or	ELECTRIC
62	D14	Mellow	Or	ELECTRIC
63	D15	Nu Shade	Or	ELECTRIC
64	D16	Cool Cat	Or	ELECTRIC
65	E01	Flutey	Or	ELECTRIC
66	E02	LeftManual	Or	ELECTRIC
67	E03	DrawContrl	Or	ELECTRIC
68	E04	Rocky	Or	ELECTRIC
69	E05	Expensive	Or	ELECTRIC
70	E06	Progressy	Or	ELECTRIC
71	E07	Crunchy	Or	ELECTRIC
72	E08	Early Bird	Or	ELECTRIC
73	E09	Jazz Split	Or	ELECTRIC
74	E10	GosplSplit	Or	ELECTRIC
75	E11	Tradi	Or	ELECTRIC
76	E12	Sunday	Or	PIPE
77	E13	BreathPipe	Or	PIPE
78	E14	Fluty Pipe	Or	PIPE
79	E15	Reedy Pipe	Or	PIPE
80	E16	OohPipes	Pd	CHOIR
81	F01	Flamenco	Gt	A.GUITAR
82	F02	Nylon Jam	Gt	A.GUITAR
83	F03	BriteSteel	Gt	A.GUITAR
84	F04	Strums	Gt	A.GUITAR
85	F05	Big Steel	Gt	A.GUITAR
86	F06	Folk Steel	Gt	A.GUITAR
87	F07	18 String	Gt	A.GUITAR
88	F18	HarpsiGtr	Gt	A.GUITAR
89	F09	HybridGtr	Gt	A.GUITAR
90	F10	JazzGTmelo	Gt	E.GUITAR
91	F11	Velo Jazz	Gt	E.GUITAR
92	F12	FM Jazz	Gt	E.GUITAR
93	F13	For Funk	Gt	E.GUITAR
94	F14	Spanky	Gt	E.GUITAR
95	F15	Funkiest	Gt	E.GUITAR
96	F16	Vin Strum	Gt	E.GUITAR
97	G01	1CoilChors	Gt	E.GUITAR
98	G02	CleanChors	Gt	E.GUITAR
99	G03	ChorusPlus	Gt	E.GUITAR
100	G04	SmoothChor	Gt	E.GUITAR
101	G05	TexBoogie	Gt	E.GUITAR
102	G06	Rockabilly	Gt	E.GUITAR
103	G07	65 Combo	Gt	E.GUITAR
104	G08	VinTremolo	Gt	E.GUITAR
105	G09	Crunchoid	Gt	E.GUITAR
106	G10	DynamicAmp	Gt	E.GUITAR
107	G11	Feedback	Gt	E.GUITAR
108	G12	VOODOOMAN	Gt	E.GUITAR
109	G13	BlueLead	Gt	E.GUITAR
110	G14	MeloRckLd	Gt	E.GUITAR
111	G15	MetalMute	Gt	E.GUITAR
112	G16	OverTheTop	Gt	E.GUITAR
113	H01	RoundWound	Ba	E.BASS
114	H02	FingerMan	Ba	E.BASS
115	H03	PrecRW	Ba	E.BASS
116	H04	PrecFW	Ba	E.BASS
117	H05	HybridBass	Ba	E.BASS
118	H06	Stand Up	Ba	A.BASS
119	H07	Fretless	Ba	E.BASS
120	H08	Slap&Fx	Ba	E.BASS
121	H09	BriteSlap	Ba	E.BASS
122	H10	Velo Bass	Ba	E.BASS
123	H11	Bs+Cym+Vb	Co	SPLIT
124	H12	Boogie on	Ba	SYNTH
125	H13	MiniDetune	Ba	SYNTH
126	H14	Long Spit	Ba	SYNTH
127	H15	Tack Bass	Ba	SYNTH
128	H16	Fat Octave	Ba	SYNTH

PRE2 (MSB 63, LSB 1)

Number		Voice Name	Category	Sub Category
1	A01	Violin	St	SOLO
2	A02	Viola	St	SOLO
3	A03	Cello	St	SOLO
4	A04	SoloSpicat	St	SOLO
5	A05	2 Solos	St	ENSEMBLE
6	A06	Cello Duet	St	ENSEMBLE
7	A07	Trio	St	ENSEMBLE
8	A08	Chamber	St	ENSEMBLE
9	A09	Small Ens	St	ENSEMBLE
10	A10	Medium Ens	St	ENSEMBLE
11	A11	Ens Mix	St	ENSEMBLE
12	A12	Ensemble	St	ENSEMBLE
13	A13	Hard Ens	St	ENSEMBLE
14	A14	Background	St	ENSEMBLE
15	A15	BigSymphny	St	ENSEMBLE
16	A16	Str/Horns	Br	SECTION
17	B01	Stringy	St	SYNTH
18	B02	Polystring	St	SYNTH
19	B03	JP Strings	St	SYNTH
20	B04	MournStrgs	St	SYNTH
21	B05	The Pizz	St	ENSEMBLE
22	B06	Fanfare	Br	SECTION
23	B07	Hi Brass	Br	SECTION
24	B08	Fat Sect	Br	SECTION
25	B09	Sforzando	Br	SECTION
26	B10	Symphony	Br	SECTION
27	B11	Big Band	Br	SECTION
28	B12	Big Band 2	Br	SECTION
29	B13	SaxBigBand	Br	SECTION
30	B14	MedmBrass	Br	SECTION
31	B15	Soft Brass	Br	SECTION
32	B16	SoftVeloBr	Br	SECTION
33	C01	TrpRomantc	Br	SOLO
34	C02	Phase Mute	Br	SOLO
35	C03	Legend	Br	SOLO
36	C04	Trombone	Br	SOLO
37	C05	Flugelleaz	Br	SOLO
38	C06	F.Horn Ens	Br	SECTION
39	C07	SlowAttack	Br	SECTION
40	C08	Strng/Bras	Br	SECTION
41	C09	Movie Ens	Br	SECTION
42	C10	Powered	Br	SYNTH
43	C11	ObStuff	Br	SYNTH
44	C12	Prophy	Br	SYNTH
45	C13	AnalogBras	Br	SYNTH
46	C14	After 1984	Br	SYNTH
47	C15	Soprano	Rp	SAX/REED
48	C16	Alto Vib	Rp	SAX/REED
49	D01	SaxEnsembl	Rp	SAX/REED
50	D02	Tenor Sax	Rp	SAX/REED
51	D03	Tenor Soft	Rp	SAX/REED
52	D04	The Winds	Rp	OTHER
53	D05	WindOrch	St	ENSEMBLE
54	D06	SweetFlute	Rp	PIPE
55	D07	PanBottle	Rp	PIPE
56	D08	AmpHarpMW	Rp	OTHER
57	D09	SmoothSaw	Ld	SOFT
58	D10	Lucky	Ld	SOFT
59	D11	Tri Solo	Ld	SOFT
60	D12	Syntrump	Ld	SOFT
61	D13	PWM Lead	Ld	SOFT
62	D14	Clicky Saw	Ld	SOFT
63	D15	Mini Pulse	Ld	SOFT
64	D16	Sync Lead	Ld	HARD

Number		Voice Name	Category	Sub Category
65	E01	Altair	Pd	SOFT
66	E02	Analog	Pd	SOFT
67	E03	Sweetland	Pd	BRIGHT
68	E04	WarmSweepy	Pd	BRIGHT
69	E05	SinePad	Pd	SOFT
70	E06	Square	Pd	SOFT
71	E07	VoxPad	Pd	CHOIR
72	E08	Pure Syn	Pd	BRIGHT
73	E09	MovingPad	Pd	BRIGHT
74	E10	SimpleSaws	Pd	SOFT
75	E11	X-Shower	Pd	SOFT
76	E12	PWM Pad	Pd	SOFT
77	E13	Bell Choir	Pd	BRIGHT
78	E14	ObSoft	Pd	SOFT
79	E15	MellowAnlg	Pd	SOFT
80	E16	Glasschoir	Pd	BRIGHT
81	F01	PeaceVox	Pd	CHOIR
82	F02	StackChoir	Pd	CHOIR
83	F03	Bronx	Pd	CHOIR
84	F04	IceChoir	Pd	CHOIR
85	F05	Fast Oohs	Pd	CHOIR
86	F06	Ooze & OZ	Pd	CHOIR
87	F07	NeoCrystal	Pd	BRIGHT
88	F18	Pop Synth	Pd	BRIGHT
89	F09	Fantasy	Pd	SOFT
90	F10	Heavenly	Pd	BRIGHT
91	F11	Retro	Pd	BRIGHT
92	F12	Airy Nylon	Pd	SOFT
93	F13	Antares	Pd	BRIGHT
94	F14	Pan Sphere	Pd	SOFT
95	F15	Tamburax	Pd	BRIGHT
96	F16	IndianFlai	Pd	BRIGHT
97	G01	SAKURA	Me	MOTION
98	G02	RisingHigh	Me	MOTION
99	G03	Champ	Me	MOTION
100	G04	Gladiator	Me	MOTION
101	G05	Hades	Me	MOTION
102	G06	Glacy	Me	MOTION
103	G07	Forest	Me	MOTION
104	G08	MirrorRing	Me	MOTION
105	G09	Poly	Sc	HARD
106	G10	AnaTonk	Sc	SOFT
107	G11	Jaipur	Gt	PLUCK
108	G12	Dulcitar	Gt	PLUCK
109	G13	Cimbalon	Cp	PERCUSSION
110	G14	EthncFlute	Rp	PIPE
111	G15	Hichiriki	Rp	SAX/REED
112	G16	Ryuteki	Rp	PIPE
113	H01	Gagaku	Rp	PIPE
114	H02	Kokyu	St	SOLO
115	H03	Digidoo	Rp	PIPE
116	H04	Bali	Dr	PERCUSSION
117	H05	Indo	Gt	PLUCK
118	H06	Trip East	Dr	PERCUSSION
119	H07	Tabla	Dr	PERCUSSION
120	H08	Djembe	Dr	PERCUSSION
121	H09	Djerimbe	Cp	PERCUSSION
122	H10	Udu	Dr	PERCUSSION
123	H11	Tribal	Dr	PERCUSSION
124	H12	Log&Drum	Cp	PERCUSSION
125	H13	Afro	Dr	PERCUSSION
126	H14	Japanesque	Co	SEQ
127	H15	EthnoShock	Me	HIT
128	H16	Ethnology	Dr	PERCUSSION

PRE3 (MSB 63, LSB 2)

Number		Voice Name	Category	Sub Category
1	A01	Wide Comp	Ap	A PIANO
2	A02	78rpmPiano	Ap	A PIANO
3	A03	Bristol	Ap	A PIANO
4	A04	Mono Comp	Ap	A PIANO
5	A05	Dance	Ap	A PIANO
6	A06	Houze	Ap	A PIANO
7	A07	Glass EP	Kb	E.PIANO
8	A08	VintSwitch	Kb	E.PIANO
9	A09	Early Case	Kb	E.PIANO
10	A10	RdsScape	Kb	E.PIANO
11	A11	RichEcho	Ap	A PIANO
12	A12	StringyPno	Kb	OTHER
13	A13	Champagne	Or	OTHER
14	A14	Moet	Or	OTHER
15	A15	Compact	Or	ELECTRIC
16	A16	1967 Keys	Or	ELECTRIC
17	B01	YD-45C	Or	ELECTRIC
18	B02	Gnarly	Ba	E.BASS
19	B03	Modular	Ba	SYNTH
20	B04	Dark Jack	Ba	SYNTH
21	B05	OneVoice	Ba	SYNTH
22	B06	Dry Syn	Ba	SYNTH
23	B07	PlasticBas	Ba	SYNTH
24	B08	Bassline	Ba	SYNTH
25	B09	RubbaRap	Ba	SYNTH
26	B10	Juicy	Ba	SYNTH
27	B11	Dark	Ba	SYNTH
28	B12	UniBass	Ba	SYNTH
29	B13	Flyer	Ba	SYNTH
30	B14	QuackBass	Ba	SYNTH
31	B15	Moonbass	Ba	SYNTH
32	B16	ClassicSub	Ba	SYNTH
33	C01	DX100	Ba	SYNTH
34	C02	Lately	Ba	SYNTH
35	C03	FMBass	Ba	SYNTH
36	C04	Oct String	St	SYNTH
37	C05	3 Octave	St	SYNTH
38	C06	TapeStrngs	St	SYNTH
39	C07	VP Strings	St	SYNTH
40	C08	BriteTeeth	Br	SYNTH
41	C09	XDance	Br	SYNTH
42	C10	Timeless	Br	SYNTH
43	C11	FatSynth	Br	SYNTH
44	C12	Big Syn	Br	SYNTH
45	C13	Bluesharp	Rp	OTHER
46	C14	Sync	Ld	HARD
47	C15	Atk Reso	Ld	SOFT
48	C16	Singleline	Ld	SOFT
49	D01	Free LFO	Ld	HARD
50	D02	Soft Lead	Ld	SOFT
51	D03	PulseWound	Ld	HARD
52	D04	Big Drone	Ld	HARD
53	D05	Big Tune	Ld	HARD
54	D06	PowerWheel	Ld	HARD
55	D07	Flangefilt	Ld	HARD
56	D08	G-Funk	Ld	SOFT
57	D09	Maria AT	Ld	SOFT
58	D10	InThePast	Ld	HARD
59	D11	FatSawPad	Pd	BRIGHT
60	D12	Wide Sweep	Pd	BRIGHT
61	D13	Sunbeams	Pd	SOFT
62	D14	BPFx	Pd	BRIGHT
63	D15	FrozenPad	Pd	BRIGHT
64	D16	MICHINOKU	Pd	SOFT

Number		Voice Name	Category	Sub Category
65	E01	Esmeralda	Pd	SOFT
66	E02	Romance	Pd	SOFT
67	E03	Circle	Pd	BRIGHT
68	E04	Dreamspher	Pd	BRIGHT
69	E05	Silverlake	Pd	SOFT
70	E06	Shadow	Pd	BRIGHT
71	E07	Platinum	Pd	BRIGHT
72	E08	Gently	Pd	SOFT
73	E09	Warming	Pd	SOFT
74	E10	PW-EMMY	Pd	SOFT
75	E11	X-fade Pad	Pd	SOFT
76	E12	Zosma	Pd	BRIGHT
77	E13	NoizRezz	Pd	BRIGHT
78	E14	Mira	Pd	BRIGHT
79	E15	MultiPulse	Pd	SOFT
80	E16	VoxWaves	Pd	CHOIR
81	F01	LazySweep	Pd	CHOIR
82	F02	Doomed	Pd	CHOIR
83	F03	PerkaVox	Sc	SOFT
84	F04	Punchy	Sc	HARD
85	F05	Eyeliner	Sc	HARD
86	F06	Quieck	Me	MOTION
87	F07	Aladdin	Me	MOTION
88	F18	QuadSwell	Me	MOTION
89	F09	Lilley Pad	Me	MOTION
90	F10	Didje Baz	Me	MOTION
91	F11	RING PAD	Me	MOTION
92	F12	Chaser 1	Me	MOTION
93	F13	Chaser 2	Me	MOTION
94	F14	Spacebreat	Me	MOTION
95	F15	Long HiPa	Me	MOTION
96	F16	Action Y	Me	MOTION
97	G01	Trancelan	Me	HIT
98	G02	Eternal	Me	MOTION
99	G03	VirtualSyn	Me	MOTION
100	G04	Interlude	Me	MOTION
101	G05	Flying	Me	MOTION
102	G06	TheSlayer	Me	MOTION
103	G07	White Rabb	Me	MOTION
104	G08	Siam	Me	MOTION
105	G09	Ududu	Co	SEQ
106	G10	Particle	Co	SEQ
107	G11	Shaper	Co	SEQ
108	G12	VintageArp	Co	SEQ
109	G13	Aah Dance	Co	SEQ
110	G14	Joker	Co	SEQ
111	G15	Holiday	Co	SEQ
112	G16	Android	Co	SEQ
113	H01	Spacious	Co	SEQ
114	H02	VoiceCuica	Co	SEQ
115	H03	Pop Arp	Co	SEQ
116	H04	Ping Pong	Co	SEQ
117	H05	Amoeba	Se	SYNTH
118	H06	Landing	Se	SYNTH
119	H07	I was born	Se	SYNTH
120	H08	PsychoGtr	Se	SYNTH
121	H09	NoGravity	Se	SYNTH
122	H10	Pulser	Se	SYNTH
123	H11	Racer	Se	SYNTH
124	H12	Storm	Se	NATURAL
125	H13	Oscillatin	Se	SYNTH
126	H14	FamlyFeud	Se	NATURAL
127	H15	WatrForest	Se	NATURAL
128	H16	Spacecraft	Se	SYNTH

USER (MSB 63, LSB 8)

Number		Voice Name	Category	Sub Category
1	A01	M25 M.W.	Co	SEQ
2	A02	Softstars	Pd	CHOIR
3	A03	Fast PWM	Ba	SYNTH
4	A04	Terminator	Ba	E.BASS
5	A05	Soft Tar	Me	MOTION
6	A06	Sorted	Co	SEQ
7	A07	Trendy Wah	Ba	SYNTH
8	A08	Feed S&H	Se	SYNTH
9	A09	Didge	Me	MOTION
10	A10	Old House	Ba	SYNTH
11	A11	HPF Dance	Ld	HARD
12	A12	Like Bees	Me	MOTION
13	A13	Exodus	Ba	SYNTH
14	A14	S/H Gruv	Me	MOTION
15	A15	Funk It!!	Gt	E.GUITAR
16	A16	Opening	Co	SEQ
17	B01	DigDag	Co	SEQ
18	B02	Dark Light	Pd	SOFT
19	B03	Boom Bass	Ba	SYNTH
20	B04	Dirtbox	Se	SYNTH
21	B05	Shandala	Pd	CHOIR
22	B06	Titan	Co	SEQ
23	B07	Puls Step	Ba	SYNTH
24	B08	Racket	Co	SEQ
25	B09	Big Lead	Ld	HARD
26	B10	Blush	Ba	SYNTH
27	B11	Squeaky	Ld	HARD
28	B12	Duck Worm	Se	SYNTH
29	B13	Jon	Ba	SYNTH
30	B14	Weird scar	Co	SEQ
31	B15	Auto Wah	Gt	E.GUITAR
32	B16	MINIMAL	Co	SEQ
33	C01	MGul	Co	SEQ
34	C02	BrokenStar	Pd	SOFT
35	C03	Smooth	Ba	SYNTH
36	C04	Sawmill	Se	SYNTH
37	C05	Cavern	Me	MOTION
38	C06	Supersnap	Co	SEQ
39	C07	Fuzzline	Ba	SYNTH
40	C08	Foreplay	Ld	SOFT
41	C09	Brooklyn	Or	ELECTRIC
42	C10	Brief	Ba	SYNTH
43	C11	Dist-MW	Ld	HARD
44	C12	Hit&Down	Me	HIT
45	C13	Froglegs	Ba	SYNTH
46	C14	Sand	Me	MOTION
47	C15	R&B Steel	Gt	A.GUITAR
48	C16	Rabbit	Co	SEQ
49	D01	ElecWorld	Co	SEQ
50	D02	Sickday	Me	MOTION
51	D03	LoSnake	Ba	SYNTH
52	D04	Boomeran	Se	SYNTH
53	D05	O+Ca+Si+Na	Me	MOTION
54	D06	Space Run	Co	SEQ
55	D07	Additive	Ba	SYNTH
56	D08	Rap Lead 1	Ld	SOFT
57	D09	Nordic	Me	MOTION
58	D10	Hip Aco	Ba	A.BASS
59	D11	Mr. Cool	Ld	HARD
60	D12	Orch Hits	Me	HIT
61	D13	Damp Cat	Ba	SYNTH
62	D14	FISHINREEL	Me	MOTION
63	D15	Melo Trmlo	Gt	E.GUITAR
64	D16	Fois Gras	Sc	HARD

Number		Voice Name	Category	Sub Category
65	E01	CheapEP	Kb	E.PIANO
66	E02	AnaMarcato	St	SYNTH
67	E03	G Bass	Ba	SYNTH
68	E04	Dolphin	Se	SYNTH
69	E05	Evolve	Me	MOTION
70	E06	ARRIVAL	Me	MOTION
71	E07	Wazzo	Ba	SYNTH
72	E08	Rap Lead 2	Ld	HARD
73	E09	Richard	Me	MOTION
74	E10	Hip Pick	Ba	E.BASS
75	E11	Early Lead	Ld	SOFT
76	E12	BDScrtch	Se	SYNTH
77	E13	Dukes	Ba	SYNTH
78	E14	Mayday MW	Ld	HARD
79	E15	CoolWAH	Gt	E.GUITAR
80	E16	Mascara	Sc	HARD
81	F01	HipWahEP	Kb	E.PIANO
82	F02	ChorusComp	Br	SYNTH
83	F03	Compton	Ba	SYNTH
84	F04	Red Dots	Se	SYNTH
85	F05	Fragile	Pd	SOFT
86	F06	SpookyVibe	Me	HIT
87	F07	Gangsta	Ba	SYNTH
88	F18	Rap Lead 3	Ld	HARD
89	F09	81Z Comp	Sc	HARD
90	F10	DarkBass	Ba	SYNTH
91	F11	HiPaWheel	Ld	HARD
92	F12	Rap Scream	Se	SYNTH
93	F13	InyerBass	Ba	SYNTH
94	F14	Pierced	Ld	HARD
95	F15	Hip Mute	Gt	E.GUITAR
96	F16	Hip Pizz	St	ENSEMBLE
97	G01	R&B EP+DX	Kb	E.PIANO
98	G02	Kustom	Br	SYNTH
99	G03	PortaBass	Ba	SYNTH
100	G04	Sirens	Se	NATURAL
101	G05	Silver	Me	MOTION
102	G06	Zanaks	Me	MOTION
103	G07	2001 Sub	Ba	SYNTH
104	G08	Sine Lead	Ld	SOFT
105	G09	UK Oam	Ba	SYNTH
106	G10	Fooger	Ba	SYNTH
107	G11	D-tune	Ld	HARD
108	G12	Rap Toyz	Se	SYNTH
109	G13	Mucus M	Ba	SYNTH
110	G14	Future Z	Ld	HARD
111	G15	FM Guitar	Gt	PLUCK
112	G16	Trancedot	Me	MOTION
113	H01	Dead?Alive	Me	MOTION
114	H02	SlowSuckr	St	SYNTH
115	H03	Clickk	Ba	SYNTH
116	H04	KewBrick	Se	SYNTH
117	H05	Munchkins	Pd	CHOIR
118	H06	Ants	Me	MOTION
119	H07	Snoop Bass	Ba	SYNTH
120	H08	BabeMagnet	Ld	SOFT
121	H09	Jones	Ba	SYNTH
122	H10	100 dreams	Se	SYNTH
123	H11	FKitchen	Ld	HARD
124	H12	Rabino	Co	SEQ
125	H13	Teknophobe	Ba	SYNTH
126	H14	FizzWah	Me	MOTION
127	H15	Hip Voice	Ld	HARD
128	H16	Strobe	Me	MOTION

GM (MSB 0, LSB 0)

Number		Voice Name	Category	Sub Category
1	A01	NaturlGrnd	Ap	A PIANO
2	A02	Rock Brite	Ap	A PIANO
3	A03	CP 2001	Ap	E GRAND
4	A04	Honkytonk	Ap	A PIANO
5	A05	E.Piano 1	Kb	E.PIANO
6	A06	E.Piano 2	Kb	E.PIANO
7	A07	Harpsicord	Kb	OTHER
8	A08	Brite Clav	Kb	CLAVI
9	A09	Celeste	Cp	MALLET
10	A10	Glocken	Cp	MALLET
11	A11	Music Box	Cp	PERCUSSION
12	A12	Vibes	Cp	MALLET
13	A13	Marimba	Cp	MALLET
14	A14	Xylophone	Cp	MALLET
15	A15	TublarBell	Cp	BELL
16	A16	Dulcimar	Cp	PERCUSSION
17	B01	Draw Organ	Or	ELECTRIC
18	B02	Perc Organ	Or	ELECTRIC
19	B03	Rock Organ	Or	ELECTRIC
20	B04	ChurchOrgn	Or	PIPE
21	B05	Reed Organ	Or	OTHER
22	B06	Accordion	Kb	OTHER
23	B07	Harmonica	Rp	OTHER
24	B08	TangoAccrd	Kb	OTHER
25	B09	Nylon	Gt	A.GUITAR
26	B10	Steel	Gt	A.GUITAR
27	B11	ModernJazz	Gt	E.GUITAR
28	B12	Clean	Gt	E.GUITAR
29	B13	Mute	Gt	E.GUITAR
30	B14	Overdrive	Gt	E.GUITAR
31	B15	Distortion	Gt	E.GUITAR
32	B16	Harmonics	Gt	E.GUITAR
33	C01	Accoustic	Ba	A.BASS
34	C02	FingerBass	Ba	E.BASS
35	C03	Pick Bass	Ba	E.BASS
36	C04	Fretless 2	Ba	E.BASS
37	C05	SimpleSlap	Ba	E.BASS
38	C06	Velo Slap	Ba	E.BASS
39	C07	SynthBass1	Ba	SYNTH
40	C08	SynthBass2	Ba	SYNTH
41	C09	Violin 2	St	SOLO
42	C10	Viola 2	St	SOLO
43	C11	Cello 2	St	SOLO
44	C12	Contrabass	St	SOLO
45	C13	TremoloStr	St	ENSEMBLE
46	C14	Pizz	Gt	PLUCK
47	C15	Harp	Gt	PLUCK
48	C16	Timpni+Cym	Cp	PERCUSSION
49	D01	StereoSt1	St	ENSEMBLE
50	D02	StereoSt2	St	ENSEMBLE
51	D03	Grand Saw	St	SYNTH
52	D04	SynStrings	St	SYNTH
53	D05	Aah Choir	Pd	CHOIR
54	D06	Ooh Choir	Pd	CHOIR
55	D07	Syn Voice	Pd	CHOIR
56	D08	Orch.Hit	Me	HIT
57	D09	Trumpet	Br	SOLO
58	D10	Trombone 2	Br	SOLO
59	D11	Tuba	Br	SOLO
60	D12	MuteTrpt 2	Br	SOLO
61	D13	F.Horns	Br	SECTION
62	D14	Brass Sect	Br	SECTION
63	D15	SynthBrass	Br	SYNTH
64	D16	Soft Brass	Br	SYNTH

Number		Voice Name	Category	Sub Category
65	E01	Soprano 2	Rp	SAX/REED
66	E02	Alto Sax	Rp	SAX/REED
67	E03	TenorSax 2	Rp	SAX/REED
68	E04	Bari Sax	Rp	SAX/REED
69	E05	Oboe	Rp	SAX/REED
70	E06	Eng.Horn	Rp	SAX/REED
71	E07	Bassoon	Rp	SAX/REED
72	E08	Clarinet	Rp	SAX/REED
73	E09	Piccolo	Rp	PIPE
74	E10	Flute	Rp	PIPE
75	E11	Recorder	Rp	PIPE
76	E12	Panflute	Rp	PIPE
77	E13	Bottle	Rp	PIPE
78	E14	Shakuhachi	Rp	PIPE
79	E15	Whistle	Rp	PIPE
80	E16	Ocarina	Rp	PIPE
81	F01	Square Ld	Ld	HARD
82	F02	Saw Ld	Ld	HARD
83	F03	Caliop Ld	Ld	SOFT
84	F04	Chiff Ld	Ld	HARD
85	F05	Charan Ld	Ld	HARD
86	F06	Voice Ld	Ld	SOFT
87	F07	Fifth Ld	Ld	HARD
88	F18	Bass&Ld	Ld	HARD
89	F09	New Age	Pd	BRIGHT
90	F10	Warm Pad	Pd	SOFT
91	F11	Poly Synth	Pd	BRIGHT
92	F12	Choir Pad	Pd	CHOIR
93	F13	BowedPad	Pd	SOFT
94	F14	Metal Pad	Pd	BRIGHT
95	F15	Halo Pad	Pd	BRIGHT
96	F16	Sweep Pad	Pd	BRIGHT
97	G01	Rain Pad	Me	MOTION
98	G02	SoundTrack	Pd	BRIGHT
99	G03	Crystal	Cp	BELL
100	G04	Atmosphere	Pd	SOFT
101	G05	Brightness	Sc	HARD
102	G06	Goblin	Me	MOTION
103	G07	Echoes	Me	MOTION
104	G08	Sci-Fi	Pd	BRIGHT
105	G09	Sitar	Gt	PLUCK
106	G10	Banjo	Gt	PLUCK
107	G11	Shamisen	Gt	PLUCK
108	G12	Koto	Gt	PLUCK
109	G13	Kalimba	Cp	PERCUSSION
110	G14	Bagpipe	Rp	SAX/REED
111	G15	Fiddle	St	SOLO
112	G16	Shanai	Rp	SAX/REED
113	H01	Tinkerbel	Cp	BELL
114	H02	Agogo	Dr	PERCUSSION
115	H03	Steeldrum	Cp	PERCUSSION
116	H04	Woodblock	Dr	PERCUSSION
117	H05	Taikodrum	Dr	PERCUSSION
118	H06	MelodicTom	Dr	DRUMS
119	H07	Synth Drum	Dr	DRUMS
120	H08	Rev Cymbal	Se	SYNTH
121	H09	Fret Noise	Se	NATURAL
122	H10	BreathNoiz	Se	NATURAL
123	H11	Seashore	Se	NATURAL
124	H12	Tweet	Se	NATURAL
125	H13	Telephone	Se	NATURAL
126	H14	Helicopter	Se	NATURAL
127	H15	Applause	Se	NATURAL
128	H16	Gunshot	Se	NATURAL

Drum Voice List

Drum Voice Name List

Bank Select MSB 63, LSB 32

PRE No.	Voice Name	
1	PoweredStd	These drum kits have been specially programmed for different music styles, yet closely follow the standard instrument order of the GM kit.
2	DryStandrd	
3	RockSt1	
4	RockSt2	
5	RockMono1	
6	Hip Hop1	
7	Hip Hop2	
8	HipStick1	
9	T9HipKit1	
10	R&B Kit1	
11	R&B Kit2	
12	AnalogT9	
13	AnalogT8	
14	Tekno Kit	
15	House Kit1	
16	House Kit2	
17	Big Kit	
18	Break Kit	
19	Drum'nBass	
20	Acid Kit	
21	Jungle Kit	
22	Electric	
23	Human Kit	
24	Hard Kit	
25	DistrtdKit	
26	AmbientKit	
27	Jazz Kit	
28	Hip Hop3	
29	Hip Hop4	
30	HipStick2	
31	Garage	These original drum kits, programmed for the MOTIF, feature a special non-standard order for ease in playing.
32	ALL-ROUND	
33	Rock Multi	
34	Hip Multi	
35	Percussion	These original kits feature a variety of instruments and special sound effects, and are grouped according to their type.
36	Latin Perc	
37	Gtr/Bs Fx	
38	Wacko Kit	
39	Wood Bits	
40	Metal Bits	
41	Hands Kit	
42	Scratches	
43	AcstSnares	
44	StSnares	
45	AllKicks	
46	DanceKicks	
47	Snare & Fx	
48	EasySnares	

Bank Select MSB 63, LSB 40

USER No.	Voice Name	
1	RockMono2	These drum kits have been specially programmed for different music styles, yet closely follow the standard instrument order of the GM kit.
2	RockMono3	
3	Hip Hop5	
4	Hip Hop6	
5	T9HipKit2	
6	HipStick3	
7	HipStick4	
8	R&B Kit3	

Bank Select MSB 127, LSB 0

GM Drum No.	Voice Name
1	Stereo GM

Drum Kit Assign List

PRE 1 PoweredStd

Note	Wave No.	Wave Name
C 0	735	Clave
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBSwrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	866	SdNm1St
G#0	732	Stick
A 0	794	BdFkSonSt
A#0	898	SdBsSt1-3
B 0	785	BdLoSt
C 1	788	BdHSonSt
C#1	1042	SdClRmSt
D 1	913	SdSonSt1-4
D#1	752	ClapT9
E 1	963	SdLdwSt1-4
F 1	1227	TomFlSt
F#1	1152	HHClFtSt
G 1	1224	TomLoSt
G#1	1155	HHHlf2St
A 1	1224	TomLoSt
A#1	1158	HHOp2St
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1271	SplashSt
G#2	746	Cowbell2
A 2	1305	CrashRL
A#2	737	Vibraslap
B 2	1306	RideRL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	661	CongaOp
E 3	669	TumbaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	940	SdBlL1-3
D 5	963	SdLdwSt1-4
D#5	956	SdBhR1-3
E 5	983	SdHipSt1-2
F 5	785	BdLoSt
F#5	1021	SdLdwHMono
G 5	834	BdR&B1
G#5	1024	SdHeavy
A 5	808	BdRoom1
A#5	1018	SdAmb
B 5	794	BdFkSonSt
C 6	809	BdRoom2

PRE 2 DryStandrd

Note	Wave No.	Wave Name
C 0	735	Clave
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBSwrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	866	SdNm1St
G#0	732	Stick
A 0	773	BdFkSt1-2
A#0	900	SdBsSt2-3
B 0	782	BdHiSt
C 1	764	BdNmSt1-2
C#1	1042	SdClRmSt
D 1	860	SdNmSt1-4
D#1	752	ClapT9
E 1	899	SdBsSt1-2
F 1	1227	TomFlSt
F#1	1131	HHClSt1-4
G 1	1224	TomLoSt
G#1	1146	HHPdlSt
A 1	1224	TomLoSt
A#1	1149	HHOpSt
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1271	SplashSt
G#2	746	Cowbell2
A 2	1305	CrashRL
A#2	737	Vibraslap
B 2	1306	RideRL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	661	CongaOp
E 3	669	TumbaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	940	SdBlL1-3
D 5	963	SdLdwSt1-4
D#5	956	SdBhR1-3
E 5	983	SdHipSt1-2
F 5	785	BdLoSt
F#5	1021	SdLdwHMono
G 5	834	BdR&B1
G#5	1024	SdHeavy
A 5	808	BdRoom1
A#5	1018	SdAmb
B 5	794	BdFkSonSt
C 6	809	BdRoom2

PRE 3 RockSt1

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBSwrAtSt
F 0	1047	SdRkRolSt
F#0	734	Castanet
G 0	992	SdRkOp1St
G#0	732	Stick
A 0	764	BdNmSt1-2
A#0	998	SdRkRim1St
B 0	782	BdHiSt
C 1	797	BdRk1St
C#1	1026	SdRkStk1St
D 1	992	SdRkOp1St
D#1	742	HandClapSt
E 1	995	SdRkMte1St
F 1	1236	TomRkLoSt
F#1	1161	HHClRkStSw
G 1	1236	TomRkLoSt
G#1	1170	HHPdRkStSw
A 1	1233	TomRkMdSt
A#1	1179	HHOpRkStSw
B 1	1233	TomRkMdSt
C 2	1230	TomRkHiSt
C#2	1253	CrashSt
D 2	1230	TomRkHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	759	TambrnRX5
G 2	1271	SplashSt
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1010	SdRkFlmSt
D 5	1001	SdRkOp2St
D#5	1007	SdRkRim2St
E 5	1004	SdRkMte2St
F 5	774	BdFk1St
F#5	1050	SdRkRolDSt
G 5	788	BdHSonSt
G#5	963	SdLdwSt1-4
A 5	794	BdFkSonSt
A#5	921	SdSon3St
B 5	777	BdFkR1-2
C 6	788	BdHSonSt

PRE 4 RockSt2

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBSwrAtSt
F 0	1047	SdRkRolSt
F#0	734	Castanet
G 0	1001	SdRkOp2St
G#0	732	Stick
A 0	785	BdLoSt
A#0	1007	SdRkRim2St
B 0	766	BdNm2St
C 1	800	BdRk2St
C#1	1029	SdRkStk2St
D 1	1001	SdRkOp2St
D#1	742	HandClapSt
E 1	1004	SdRkMte2St
F 1	1236	TomRkLoSt
F#1	1173	HHClRk2St
G 1	1236	TomRkLoSt
G#1	1181	HHHfOpRkSt
A 1	1233	TomRkMdSt
A#1	1180	HHOpRkSt
B 1	1233	TomRkMdSt
C 2	1230	TomRkHiSt
C#2	1253	CrashSt
D 2	1230	TomRkHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	759	TambrnRX5
G 2	1271	SplashSt
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1010	SdRkFlmSt
D 5	992	SdRkOp1St
D#5	998	SdRkRim1St
E 5	995	SdRkMte1St
F 5	797	BdRk1St
F#5	1050	SdRkRolDSt
G 5	775	BdFk2St
G#5	963	SdLdwSt1-4
A 5	782	BdHiSt
A#5	922	SdSon4St
B 5	791	BdLSonSt
C 6	797	BdRk1St

PRE 5 RockMono1

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1058	SdBrMtL
D 0	1064	SdBrSwrL
D#0	1061	SdBrMt2L
E 0	1067	SdBrSwrAtL
F 0	1054	SnLvRolL
F#0	734	Castanet
G 0	973	SdLdwL1-4
G#0	732	Stick
A 0	803	BdDry1
A#0	962	SdBh3R
B 0	772	BdNm2R
C 1	810	BdRoom3
C#1	1045	SdClRim2
D 1	929	SdSon3L
D#1	743	HandClapL
E 1	932	SdSon4R
F 1	1228	TomFlL
F#1	1175	HHClRk2R
G 1	1225	TomLoL
G#1	1178	HHPdlRkR
A 1	1222	TomMdL
A#1	1185	HHOpRkR
B 1	1222	TomMdL
C 2	1220	TomHiR
C#2	1254	CrashL
D 2	1220	TomHiR
D#2	1264	RideMono
E 2	1267	ChinaSt
F 2	1266	CupMono2
F#2	714	TambrnSw
G 2	1273	SplashR
G#2	745	Cowbel1
A 2	1254	CrashL
A#2	737	Vibraslap
B 2	1264	RideMono
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1044	SdClRmR
D 5	1024	SdHeavy
D#5	1000	SdRkRim1R
E 5	1021	SdLdwHMono
F 5	801	BdRk2L
F#5	987	SdHipR1-2
G 5	841	BdBreakHrd
G#5	982	SdLdw4R
A 5	783	BdHiL
A#5	956	SdBhR1-3
B 5	780	BdFkHL
C 6	795	BdFkSonL

PRE 6 Hip Hop1

Note	Wave No.	Wave Name
C 0	1033	SdHpStk2
C#0	554	VoxHitRev
D 0	560	TurnTable
D#0	537	HitBrass
E 0	583	ScratchSdR
F 0	1055	SnLvRolR
F#0	762	ClaveT8
G 0	991	SdHip2R
G#0	1039	SdHpStk6R
A 0	836	BdHipDp
A#0	1121	SdDodgL
B 0	822	BdT8-3
C 1	821	BdT8-2
C#1	1033	SdHpStk2
D 1	1117	SdClpAna
D#1	744	HandClapR
E 1	1098	SdR&B2
F 1	1247	TomT8
F#1	1193	HHClT8-1
G 1	1247	TomT8
G#1	1194	HHOpT8-1
A 1	1247	TomT8
A#1	1194	HHOpT8-1
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1257	Crash2
D 2	1247	TomT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	725	AgogoLo
G#3	724	AgogoHi
A 3	707	ShakerHip1
A#3	761	MarcsT8
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	762	ClaveT8
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1041	SdHipStk8
D 5	1090	SdJngl3
D#5	744	HandClapR
E 5	1107	SdHipRm5
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	577	ScratchHiR
A 5	580	ScratchBdF
A#5	590	ScratchCmb
B 5	585	ScratchVoR
C 6	839	BdBreak2

PRE 7 Hip Hop2

Note	Wave No.	Wave Name
C 0	822	BdT8-3
C#0	1081	SdT8Rim
D 0	1099	SdHip1
D#0	752	ClapT9
E 0	1124	SdSyn
F 0	1055	SnLvRolR
F#0	1035	SdHpStk4
G 0	368	DjembeEd
G#0	1037	SdHpStk6St
A 0	820	BdT8-1
A#0	1097	SdR&B1Rm
B 0	840	BdBreakHvy
C 1	836	BdHipDp
C#1	1079	SdT8-4
D 1	1101	SdHip3
D#1	742	HandClapSt
E 1	1129	SdLofi
F 1	1229	TomFlR
F#1	1211	HHClLoFi
G 1	1225	TomLoL
G#1	1200	HHClBreak
A 1	1225	TomLoL
A#1	1212	HHOpLoFi
B 1	1225	TomLoL
C 2	1219	TomHiL
C#2	1256	Crash
D 2	1219	TomHiL
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	759	TambrnRX5
G 2	1256	Crash
G#2	756	CowBelRX11
A 2	1255	CrashR
A#2	755	CowBelT8
B 2	1277	RideT9
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	524	RadioNz
F#3	524	RadioNz
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	761	MarcsT8
B 3	557	FxGun2
C 4	558	FxGun1
C#4	587	ScratchSpn
D 4	586	ScratchStp
D#4	762	ClaveT8
E 4	562	DoorSqk
F 4	553	HiQ2
F#4	580	ScratchBdF
G 4	581	ScratchBdR
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	715	TambrnHit
C 5	751	BellTree
C#5	1087	SdHuman2
D 5	1112	SdBreakRol
D#5	540	StabHard
E 5	1088	SdJngl1
F 5	797	BdRk1St
F#5	575	ScratchDwn
G 5	367	Wataiko
G#5	511	HH Hit
A 5	541	StabOrgan2
A#5	534	Sonar1
B 5	560	TurnTable
C 6	561	Police

PRE 8 HipStick1

Note	Wave No.	Wave Name
C 0	1106	SdHipRm4
C#0	552	HiQ1
D 0	560	TurnTable
D#0	536	HitOrch1
E 0	581	ScratchBdR
F 0	1055	SnLvRolR
F#0	763	AnaClick
G 0	1105	SdHipRm3
G#0	1085	SdAnCRRim
A 0	836	BdHipDp
A#0	1083	SdAnSmRim
B 0	822	BdT8-3
C 1	821	BdT8-2
C#1	1081	SdT8Rim
D 1	1032	SdHpStk1
D#1	744	HandClapR
E 1	1033	SdHpStk2
F 1	1247	TomT8
F#1	1193	HHClT8-1
G 1	1247	TomT8
G#1	1194	HHOpT8-1
A 1	1247	TomT8
A#1	1194	HHOpT8-1
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1257	Crash2
D 2	1247	TomT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1082	SdAnSm
D 5	1046	SdClRim3
D#5	763	AnaClick
E 5	1045	SdClRim2
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	577	ScratchHiR
A 5	580	ScratchBdF
A#5	590	ScratchCmb
B 5	585	ScratchVoR
C 6	830	BdJngl2

PRE 9 T9HipKit1

Note	Wave No.	Wave Name
C 0	762	ClaveT8
C#0	1073	SdT9-5
D 0	560	TurnTable
D#0	532	Quiek
E 0	592	ScratchCb3
F 0	1054	SnLvRolL
F#0	763	AnaClick
G 0	1074	SdT9Gate
G#0	1130	SdRimSE
A 0	815	BdT9-3
A#0	1071	SdT9-3
B 0	814	BdT9-2
C 1	813	BdT9-1
C#1	1075	SdT9Rim
D 1	1073	SdT9-5
D#1	752	ClapT9
E 1	1072	SdT9-4
F 1	1246	TomT9Lo
F#1	1191	HHClT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1246	TomT9Lo
C 2	1245	TomT9Hi
C#2	1274	CrashT9
D 2	1245	TomT9Hi
D#2	1277	RideT9
E 2	1274	CrashT9
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1274	CrashT9
G#2	757	CowBelAnCR
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1075	SdT9Rim
D 5	1074	SdT9Gate
D#5	742	HandClapSt
E 5	1073	SdT9-5
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	576	ScratchHiF
A 5	577	ScratchHiR
A#5	578	ScratchLoF
B 5	579	ScratchLoR
C 6	817	BdT9Hd1

PRE 10 R&B Kit1

Note	Wave No.	Wave Name
C 0	819	BdT9Hd3
C#0	1084	SdAnCR
D 0	1083	SdAnSmRim
D#0	1117	SdClpAna
E 0	1074	SdT9Gate
F 0	1056	SdRollMono
F#0	1126	SdTimber
G 0	1123	SdFMRim
G#0	1091	SdJnglFx
A 0	806	BdVar1
A#0	1103	SdHipRm1
B 0	821	BdT8-2
C 1	851	BdZapMid
C#1	1081	SdT8Rim
D 1	1104	SdHipRm2
D#1	742	HandClapSt
E 1	1084	SdAnCR
F 1	822	BdT8-3
F#1	1195	HHClT8-2
G 1	822	BdT8-3
G#1	1198	HHClAnCR
A 1	822	BdT8-3
A#1	1196	HHOpT8-2
B 1	822	BdT8-3
C 2	822	BdT8-3
C#2	1256	Crash
D 2	822	BdT8-3
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1274	CrashT9
A#2	755	CowBelT8
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	552	HiQ1
F#3	552	HiQ1
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	758	AnaShaker
A#3	696	MaracasSlr
B 3	545	VoxDrum
C 4	545	VoxDrum
C#4	552	HiQ1
D 4	553	HiQ2
D#4	762	ClaveT8
E 4	552	HiQ1
F 4	587	ScratchSpn
F#4	577	ScratchHiR
G 4	576	ScratchHiF
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	715	TambrnHit
C 5	751	BellTree
C#5	1112	SdBreakRol
D 5	520	Mother
D#5	502	VoxBell
E 5	1096	SdR&B1
F 5	512	VoxAlk
F#5	377	Udo Hi
G 5	507	TranCho
G#5	519	Swarm
A 5	805	BdPop
A#5	1097	SdR&B1Rm
B 5	835	BdR&B2
C 6	1256	Crash

PRE 11 R&B Kit2

Note	Wave No.	Wave Name
C 0	808	BdRoom1
C#0	763	AnaClick
D 0	614	PlayFxABa4
D#0	1035	SdHpStk4
E 0	667	QuintTip
F 0	594	PickNoise1
F#0	1075	SdT9Rim
G 0	860	SdNmSt1-4
G#0	1097	SdR&B1Rm
A 0	764	BdNmSt1-2
A#0	894	SdFk3R
B 0	822	BdT8-3
C 1	834	BdR&B1
C#1	1046	SdClRim3
D 1	1014	SdPcRim
D#1	742	HandClapSt
E 1	1097	SdR&B1Rm
F 1	822	BdT8-3
F#1	1195	HHClT8-2
G 1	822	BdT8-3
G#1	1193	HHClT8-1
A 1	822	BdT8-3
A#1	1196	HHOpT8-2
B 1	822	BdT8-3
C 2	1247	TomT8
C#2	1253	CrashSt
D 2	1247	TomT8
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1274	CrashT9
A#2	755	CowBelT8
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	552	HiQ1
F#3	552	HiQ1
G 3	725	AgogoLo
G#3	758	AnaShaker
A 3	758	AnaShaker
A#3	696	MaracasSlr
B 3	545	VoxDrum
C 4	545	VoxDrum
C#4	552	HiQ1
D 4	553	HiQ2
D#4	762	ClaveT8
E 4	552	HiQ1
F 4	587	ScratchSpn
F#4	577	ScratchHiR
G 4	576	ScratchHiF
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	715	TambrnHit
C 5	751	BellTree
C#5	1129	SdLofi
D 5	1029	SdRkStk2St
D#5	1013	SdPicol
E 5	1098	SdR&B2
F 5	835	BdR&B2
F#5	1122	SdFM
G 5	836	BdHipDp
G#5	1128	SdHammer
A 5	859	BdSlimy
A#5	511	HH Hit
B 5	822	BdT8-3
C 6	560	TurnTable

PRE 12 AnalogT9

Note	Wave No.	Wave Name
C 0	814	BdT9-2
C#0	1084	SdAnCR
D 0	1073	SdT9-5
D#0	753	ClapAnSm
E 0	1074	SdT9Gate
F 0	1047	SdRkRolSt
F#0	1071	SdT9-3
G 0	1072	SdT9-4
G#0	1074	SdT9Gate
A 0	816	BdT9-4
A#0	1073	SdT9-5
B 0	813	BdT9-1
C 1	815	BdT9-3
C#1	1075	SdT9Rim
D 1	1069	SdT9-1
D#1	752	ClapT9
E 1	1070	SdT9-2
F 1	1246	TomT9Lo
F#1	1191	HHClT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1245	TomT9Hi
C 2	1245	TomT9Hi
C#2	1274	CrashT9
D 2	1245	TomT9Hi
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	759	TambrnRX5
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1257	Crash2
A#2	755	CowBelT8
B 2	1260	RideR
C 3	754	CongaT8
C#3	754	CongaT8
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	763	AnaClick
G#3	754	CongaT8
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HiQ1
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1013	SdPicol
D 5	1080	SdT8-5
D#5	1050	SdRkRolDSt
E 5	1060	SdBrMt2St
F 5	828	BdBlpHd
F#5	1088	SdJngl1
G 5	852	BdSus
G#5	1092	SdD&B1
A 5	839	BdBreak2
A#5	1118	SdDist
B 5	853	BdTekPower
C 6	847	BdDistRM

PRE 13 AnalogT8

Note	Wave No.	Wave Name
C 0	820	BdT8-1
C#0	1084	SdAnCR
D 0	1079	SdT8-4
D#0	1117	SdClpAna
E 0	1078	SdT8-3
F 0	1247	TomT8
F#0	1080	SdT8-5
G 0	822	BdT8-3
G#0	1079	SdT8-4
A 0	821	BdT8-2
A#0	1078	SdT8-3
B 0	436	T8KickBass
C 1	820	BdT8-1
C#1	1081	SdT8Rim
D 1	1077	SdT8-2
D#1	752	ClapT9
E 1	1076	SdT8-1
F 1	1247	TomT8
F#1	1195	HHClT8-2
G 1	1247	TomT8
G#1	1194	HHOpT8-1
A 1	1247	TomT8
A#1	1194	HHOpT8-1
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1275	CrashT8
D 2	1247	TomT8
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	755	CowBelT8
A 2	1257	Crash2
A#2	737	Vibraslap
B 2	1260	RideR
C 3	754	CongaT8
C#3	754	CongaT8
D 3	754	CongaT8
D#3	754	CongaT8
E 3	754	CongaT8
F 3	684	TimbaleHi1
F#3	688	TimbaleLo1
G 3	547	Glass
G#3	547	Glass
A 3	698	Cabasa1-2
A#3	761	MarcsT8
B 3	557	FxGun2
C 4	558	FxGun1
C#4	758	AnaShaker
D 4	758	AnaShaker
D#4	762	ClaveT8
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1099	SdHip1
D 5	1100	SdHip2
D#5	1102	SdHipGate
E 5	1108	SdBreak1
F 5	827	BdBlip
F#5	1113	SdFx1
G 5	849	BdFxHmr
G#5	1128	SdHammer
A 5	850	BdZapHrd
A#5	1121	SdDodgL
B 5	853	BdTekPower
C 6	859	BdSlimy

PRE 14 Tekno Kit

Note	Wave No.	Wave Name
C 0	859	BdSlimy
C#0	1075	SdT9Rim
D 0	1080	SdT8-5
D#0	752	ClapT9
E 0	1071	SdT9-3
F 0	1086	SdHuman1
F#0	1101	SdHip3
G 0	1072	SdT9-4
G#0	1100	SdHip2
A 0	858	BdThkSkn
A#0	1070	SdT9-2
B 0	845	BdDist4
C 1	851	BdZapMid
C#1	1081	SdT8Rim
D 1	1080	SdT8-5
D#1	752	ClapT9
E 1	1124	SdSyn
F 1	1247	TomT8
F#1	1211	HHClLoFi
G 1	1247	TomT8
G#1	1212	HHOpLoFi
A 1	1247	TomT8
A#1	1212	HHOpLoFi
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1275	CrashT8
D 2	1247	TomT8
D#2	1277	RideT9
E 2	1256	Crash
F 2	1265	CupMono
F#2	760	TambrnAnCR
G 2	1254	CrashL
G#2	755	CowBelT8
A 2	1274	CrashT9
A#2	755	CowBelT8
B 2	1276	CrashSyn
C 3	754	CongaT8
C#3	754	CongaT8
D 3	754	CongaT8
D#3	754	CongaT8
E 3	754	CongaT8
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	547	Glass
G#3	547	Glass
A 3	699	Cabasa1
A#3	761	MarcsT8
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HiQ1
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	368	DjembeEd
D 5	367	Wataiko
D#5	540	StabHard
E 5	536	HitOrch1
F 5	541	StabOrgan2
F#5	575	ScratchDwn
G 5	797	BdRk1St
G#5	511	HH Hit
A 5	367	Wataiko
A#5	534	Sonar1
B 5	560	TurnTable
C 6	561	Police

PRE 15 House Kit1

Note	Wave No.	Wave Name
C 0	816	BdT9-4
C#0	1081	SdT8Rim
D 0	1080	SdT8-5
D#0	742	HandClapSt
E 0	1121	SdDodgL
F 0	1053	SnLvRolSt
F#0	1071	SdT9-3
G 0	1076	SdT8-1
G#0	1073	SdT9-5
A 0	813	BdT9-1
A#0	1074	SdT9Gate
B 0	814	BdT9-2
C 1	815	BdT9-3
C#1	1075	SdT9Rim
D 1	1069	SdT9-1
D#1	752	ClapT9
E 1	1070	SdT9-2
F 1	1246	TomT9Lo
F#1	1193	HHClT8-1
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1245	TomT9Hi
C 2	1245	TomT9Hi
C#2	1274	CrashT9
D 2	1245	TomT9Hi
D#2	1277	RideT9
E 2	1256	Crash
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	755	CowBelT8
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	684	TimbaleHi1
F#3	684	TimbaleHi1
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	545	VoxDrum
C 4	545	VoxDrum
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1112	SdBreakRol
D 5	520	Mother
D#5	502	VoxBell
E 5	1096	SdR&B1
F 5	512	VoxAlk
F#5	377	Udo Hi
G 5	507	TranCho
G#5	519	Swarm
A 5	805	BdPop
A#5	1097	SdR&B1Rm
B 5	835	BdR&B2
C 6	1256	Crash

PRE 16 House Kit2

Note	Wave No.	Wave Name
C 0	814	BdT9-2
C#0	1081	SdT8Rim
D 0	618	PlayFxABa8
D#0	752	ClapT9
E 0	1070	SdT9-2
F 0	1074	SdT9Gate
F#0	1087	SdHuman2
G 0	1113	SdFx1
G#0	1129	SdLofi
A 0	818	BdT9Hd2
A#0	1075	SdT9Rim
B 0	815	BdT9-3
C 1	817	BdT9Hd1
C#1	1075	SdT9Rim
D 1	1127	SdWood
D#1	549	NzBurst
E 1	551	Zap2
F 1	1124	SdSyn
F#1	1191	HHClT9
G 1	1124	SdSyn
G#1	1192	HHOpT9
A 1	1124	SdSyn
A#1	1192	HHOpT9
B 1	1124	SdSyn
C 2	1124	SdSyn
C#2	1274	CrashT9
D 2	1124	SdSyn
D#2	1277	RideT9
E 2	1276	CrashSyn
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1275	CrashT8
G#2	745	Cowbel1
A 2	1256	Crash
A#2	755	CowBelT8
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	664	CongaHeel
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	1248	TomSyn1
F#3	1248	TomSyn1
G 3	763	AnaClick
G#3	1130	SdRimSE
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	545	VoxDrum
C 4	545	VoxDrum
C#4	760	TambrnAnCR
D 4	758	AnaShaker
D#4	762	ClaveT8
E 4	759	TambrnRX5
F 4	756	CowBelRX11
F#4	758	AnaShaker
G 4	576	ScratchHiF
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	372	TabraBya
D 5	373	TabraNah
D#5	374	TablaMut
E 5	502	VoxBell
F 5	805	BdPop
F#5	377	Udo Hi
G 5	812	BdFXGate
G#5	520	Mother
A 5	813	BdT9-1
A#5	1112	SdBreakRol
B 5	1256	Crash
C 6	560	TurnTable

PRE 17 Big Kit

Note	Wave No.	Wave Name
C 0	812	BdFXGate
C#0	681	BongoLo2
D 0	1025	SdGM
D#0	742	HandClapSt
E 0	1020	SdGate2
F 0	1047	SdRkRolSt
F#0	998	SdRkRim1St
G 0	1013	SdPicol
G#0	1010	SdRkFlmSt
A 0	809	BdRoom2
A#0	1026	SdRkStk1St
B 0	810	BdRoom3
C 1	811	BdGate
C#1	1017	SdMdRim
D 1	1019	SdGate1
D#1	753	ClapAnSm
E 1	1018	SdAmb
F 1	1244	TomAmbLo
F#1	1202	HHClD&B
G 1	1244	TomAmbLo
G#1	1203	HHPdlD&B
A 1	1244	TomAmbLo
A#1	1204	HHOpD&B
B 1	1243	TomAmbHi
C 2	1243	TomAmbHi
C#2	1253	CrashSt
D 2	1243	TomAmbHi
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	848	Bd+HH
F#3	848	Bd+HH
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1118	SdDist
D 5	1122	SdFM
D#5	1123	SdFMRim
E 5	1125	SdClappy
F 5	810	BdRoom3
F#5	1126	SdTimber
G 5	797	BdRk1St
G#5	1130	SdRimSE
A 5	800	BdRk2St
A#5	1112	SdBreakRol
B 5	832	BdD&B1
C 6	809	BdRoom2

PRE 18 Break Kit

Note	Wave No.	Wave Name
C 0	837	BdBrkDp
C#0	984	SdHip1St
D 0	1129	SdLofi
D#0	1125	SdClappy
E 0	1021	SdLdwHMono
F 0	1050	SdRkRolDSt
F#0	1019	SdGate1
G 0	1016	SdMid
G#0	1022	SdBrRim
A 0	840	BdBreakHvy
A#0	1106	SdHipRm4
B 0	839	BdBreak2
C 1	838	BdBreak1
C#1	1103	SdHipRm1
D 1	1110	SdBreak3
D#1	1108	SdBreak1
E 1	1109	SdBreak2
F 1	1224	TomLoSt
F#1	1167	HHClRkSR
G 1	1224	TomLoSt
G#1	1178	HHPdlRkR
A 1	1224	TomLoSt
A#1	1187	HHHlfOpRkR
B 1	1218	TomHiSt
C 2	1218	TomHiSt
C#2	1254	CrashL
D 2	1218	TomHiSt
D#2	1259	RideL
E 2	1268	ChinaL
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1255	CrashR
A#2	756	CowBelRX11
B 2	1264	RideMono
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	675	BongoHi1-2
F#3	679	BongoLo1-3
G 3	661	CongaOp
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	684	TimbaleHi1
C 4	688	TimbaleLo1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	560	TurnTable
C#5	1112	SdBreakRol
D 5	520	Mother
D#5	528	Mind Bell
E 5	1113	SdFx1
F 5	800	BdRk2St
F#5	533	LfoSeq
G 5	546	Ripper
G#5	549	NzBurst
A 5	561	Police
A#5	526	Fairwave
B 5	519	Swarm
C 6	524	RadioNz

PRE 19 Drum'nBass

Note	Wave No.	Wave Name
C 0	836	BdHipDp
C#0	681	BongoLo2
D 0	1098	SdR&B2
D#0	1126	SdTimber
E 0	1094	SdD&B3
F 0	1128	SdHammer
F#0	547	Glass
G 0	833	BdD&B2
G#0	1146	HHPdlSt
A 0	836	BdHipDp
A#0	1158	HHOp2St
B 0	832	BdD&B1
C 1	833	BdD&B2
C#1	1017	SdMdRim
D 1	1092	SdD&B1
D#1	549	NzBurst
E 1	1093	SdD&B2
F 1	1244	TomAmbLo
F#1	1202	HHClD&B
G 1	1244	TomAmbLo
G#1	1203	HHPdlD&B
A 1	1244	TomAmbLo
A#1	1204	HHOpD&B
B 1	1243	TomAmbHi
C 2	1243	TomAmbHi
C#2	1254	CrashL
D 2	1243	TomAmbHi
D#2	1258	RideSt
E 2	1270	China
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	1095	SdD&B4
F#3	1205	HHRvD&B
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	495	Sine
F 4	495	Sine
F#4	462	P50-1
G 4	653	PlyFxSl17S
G#4	560	TurnTable
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1118	SdDist
D 5	1122	SdFM
D#5	1123	SdFMRim
E 5	1125	SdClappy
F 5	832	BdD&B1
F#5	1126	SdTimber
G 5	846	BdDist5
G#5	1130	SdRimSE
A 5	845	BdDist4
A#5	1101	SdHip3
B 5	859	BdSlimy
C 6	848	Bd+HH

PRE 20 Acid Kit

Note	Wave No.	Wave Name
C 0	855	BdATite
C#0	1081	SdT8Rim
D 0	1090	SdJngl3
D#0	742	HandClapSt
E 0	1076	SdT8-1
F 0	1053	SnLvRolSt
F#0	955	SdBhL1-3
G 0	962	SdBh3R
G#0	914	SdSonSt1-3
A 0	773	BdFkSt1-2
A#0	898	SdBsSt1-3
B 0	770	BdNm1R
C 1	780	BdFkHL
C#1	1031	SdRkStk2R
D 1	974	SdLdwR1-4
D#1	752	ClapT9
E 1	973	SdLdwL1-4
F 1	1246	TomT9Lo
F#1	1167	HHClRkSR
G 1	1246	TomT9Lo
G#1	1175	HHClRk2R
A 1	1246	TomT9Lo
A#1	1187	HHHlfOpRkR
B 1	1245	TomT9Hi
C 2	1245	TomT9Hi
C#2	1254	CrashL
D 2	1245	TomT9Hi
D#2	1260	RideR
E 2	1256	Crash
F 2	1262	CupL
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1254	CrashL
A#2	755	CowBelT8
B 2	1264	RideMono
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	684	TimbaleHi1
F#3	684	TimbaleHi1
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HiQ1
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1073	SdT9-5
D 5	1073	SdT9-5
D#5	1073	SdT9-5
E 5	1073	SdT9-5
F 5	773	BdFkSt1-2
F#5	1092	SdD&B1
G 5	788	BdHSonSt
G#5	1102	SdHipGate
A 5	812	BdFXGate
A#5	1108	SdBreak1
B 5	829	BdJngl1
C 6	840	BdBreakHvy

PRE 21 Jungle Kit

Note	Wave No.	Wave Name
C 0	830	BdJngl2
C#0	1017	SdMdRim
D 0	1090	SdJngl3
D#0	1090	SdJngl3
E 0	1014	SdPcRim
F 0	1056	SdRollMono
F#0	1127	SdWood
G 0	1098	SdR&B2
G#0	1093	SdD&B2
A 0	830	BdJngl2
A#0	1091	SdJnglFx
B 0	831	BdJngl3
C 1	829	BdJngl1
C#1	1106	SdHipRm4
D 1	1089	SdJngl2
D#1	1091	SdJnglFx
E 1	1088	SdJngl1
F 1	1228	TomFlL
F#1	1165	HHClRkRSw
G 1	1225	TomLoL
G#1	1172	HHPdlRkRSw
A 1	1223	TomMdR
A#1	1183	HHOpRkRSw
B 1	1223	TomMdR
C 2	1220	TomHiR
C#2	1254	CrashL
D 2	1220	TomHiR
D#2	1260	RideR
E 2	1270	China
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	373	TabraNah
F#3	372	TabraBya
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	684	TimbaleHi1
C 4	688	TimbaleLo1
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1205	HHRvD&B
D 5	572	RainLoop
D#5	573	Scratch H
E 5	574	Scratch L
F 5	828	BdBlpHd
F#5	1124	SdSyn
G 5	548	IndusTom
G#5	717	PandieroOp
A 5	546	Ripper
A#5	567	TelRing
B 5	579	ScratchLoR
C 6	556	TapeRewnd

PRE 22 Electric

Note	Wave No.	Wave Name
C 0	824	BdAnCR
C#0	827	BdBlip
D 0	1080	SdT8-5
D#0	753	ClapAnSm
E 0	1104	SdHipRm2
F 0	1056	SdRollMono
F#0	1076	SdT8-1
G 0	1084	SdAnCR
G#0	1077	SdT8-2
A 0	820	BdT8-1
A#0	1079	SdT8-4
B 0	827	BdBlip
C 1	821	BdT8-2
C#1	1081	SdT8Rim
D 1	1078	SdT8-3
D#1	752	ClapT9
E 1	753	ClapAnSm
F 1	1249	TomSyn2
F#1	1195	HHClT8-2
G 1	1249	TomSyn2
G#1	1194	HHOpT8-1
A 1	1249	TomSyn2
A#1	1196	HHOpT8-2
B 1	1249	TomSyn2
C 2	1249	TomSyn2
C#2	1274	CrashT9
D 2	1249	TomSyn2
D#2	1277	RideT9
E 2	1256	Crash
F 2	1276	CrashSyn
F#2	1275	CrashT8
G 2	1256	Crash
G#2	1130	SdRimSE
A 2	1253	CrashSt
A#2	755	CowBelT8
B 2	1276	CrashSyn
C 3	1247	TomT8
C#3	1247	TomT8
D 3	1247	TomT8
D#3	1247	TomT8
E 3	1247	TomT8
F 3	571	Applause
F#3	566	Telephone
G 3	563	Heartbeat
G#3	555	Bomb
A 3	1212	HHOpLoFi
A#3	696	MaracasSlr
B 3	551	Zap2
C 4	550	Zap1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HiQ1
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	544	HitOrch2
G#4	1215	HHClFx
A 4	1216	HHOpFx
A#4	758	AnaShaker
B 4	758	AnaShaker
C 5	560	TurnTable
C#5	1112	SdBreakRol
D 5	520	Mother
D#5	528	Mind Bell
E 5	1113	SdFx1
F 5	800	BdRk2St
F#5	533	LfoSeq
G 5	546	Ripper
G#5	549	NzBurst
A 5	561	Police
A#5	526	Fairwave
B 5	519	Swarm
C 6	524	RadioNz

PRE 23 Human Kit

Note	Wave No.	Wave Name
C 0	825	BdHuman1
C#0	584	ScratchVoF
D 0	543	Hit Uhh
D#0	585	ScratchVoR
E 0	1091	SdJnglFx
F 0	1047	SdRkRolSt
F#0	1108	SdBreak1
G 0	1084	SdAnCR
G#0	1069	SdT9-1
A 0	852	BdSus
A#0	1032	SdHpStk1
B 0	825	BdHuman1
C 1	826	BdHuman2
C#1	1127	SdWood
D 1	1086	SdHuman1
D#1	1120	SdDodgH
E 1	1087	SdHuman2
F 1	825	BdHuman1
F#1	1217	HHOpHuman
G 1	825	BdHuman1
G#1	1217	HHOpHuman
A 1	825	BdHuman1
A#1	1217	HHOpHuman
B 1	825	BdHuman1
C 2	825	BdHuman1
C#2	549	NzBurst
D 2	825	BdHuman1
D#2	1275	CrashT8
E 2	1270	China
F 2	1265	CupMono
F#2	583	ScratchSdR
G 2	1271	SplashSt
G#2	545	VoxDrum
A 2	1257	Crash2
A#2	755	CowBelT8
B 2	542	StabAah
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	578	ScratchLoF
E 4	579	ScratchLoR
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	560	TurnTable
C#5	1000	SdRkRim1R
D 5	564	Helicopter
D#5	540	StabHard
E 5	1019	SdGate1
F 5	797	BdRk1St
F#5	575	ScratchDwn
G 5	823	BdAnSm
G#5	534	Sonar1
A 5	367	Wataiko
A#5	367	Wataiko
B 5	511	HH Hit
C 6	541	StabOrgan2

PRE 24 Hard Kit

Note	Wave No.	Wave Name
C 0	844	BdDist3
C#0	1127	SdWood
D 0	1019	SdGate1
D#0	742	HandClapSt
E 0	1020	SdGate2
F 0	1056	SdRollMono
F#0	1117	SdClpAna
G 0	1101	SdHip3
G#0	546	Ripper
A 0	847	BdDistRM
A#0	1081	SdT8Rim
B 0	843	BdDist2
C 1	842	BdDist1
C#1	1017	SdMdRim
D 1	1118	SdDist
D#1	549	NzBurst
E 1	1114	SdFx2
F 1	1252	TomDistLo
F#1	1191	HHClT9
G 1	1252	TomDistLo
G#1	1192	HHOpT9
A 1	1252	TomDistLo
A#1	1192	HHOpT9
B 1	1251	TomDistHi
C 2	1251	TomDistHi
C#2	1274	CrashT9
D 2	1251	TomDistHi
D#2	1277	RideT9
E 2	1270	China
F 2	1265	CupMono
F#2	760	TambrnAnCR
G 2	1256	Crash
G#2	755	CowBelT8
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	1126	SdTimber
C#3	1126	SdTimber
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	848	Bd+HH
F#3	848	Bd+HH
G 3	547	Glass
G#3	547	Glass
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	557	FxGun2
C 4	558	FxGun1
C#4	573	Scratch H
D 4	575	ScratchDwn
D#4	552	HiQ1
E 4	552	HiQ1
F 4	553	HiQ2
F#4	574	Scratch L
G 4	574	Scratch L
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1118	SdDist
D 5	1122	SdFM
D#5	1123	SdFMRim
E 5	1125	SdClappy
F 5	849	BdFxHmr
F#5	548	IndusTom
G 5	832	BdD&B1
G#5	548	IndusTom
A 5	810	BdRoom3
A#5	548	IndusTom
B 5	816	BdT9-4
C 6	1128	SdHammer

PRE 25 DistrtdKit

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBSwrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	866	SdNm1St
G#0	732	Stick
A 0	802	BdRk2R
A#0	969	SdLdw1St
B 0	838	BdBreak1
C 1	802	BdRk2R
C#1	1031	SdRkStk2R
D 1	925	SdSon1L
D#1	743	HandClapL
E 1	1014	SdPcRim
F 1	1244	TomAmbLo
F#1	1175	HHClRk2R
G 1	1244	TomAmbLo
G#1	1178	HHPdlRkR
A 1	1244	TomAmbLo
A#1	1185	HHOpRkR
B 1	1243	TomAmbHi
C 2	1243	TomAmbHi
C#2	1254	CrashL
D 2	1243	TomAmbHi
D#2	1260	RideR
E 2	1268	ChinaL
F 2	1263	CupR
F#2	714	TambrnSw
G 2	1273	SplashR
G#2	747	MamboBel
A 2	1254	CrashL
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	591	ScratchCb2
G 4	577	ScratchHiR
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1013	SdPicol
D 5	1024	SdHeavy
D#5	1117	SdClpAna
E 5	1014	SdPcRim
F 5	809	BdRoom2
F#5	1016	SdMid
G 5	810	BdRoom3
G#5	1017	SdMdRim
A 5	811	BdGate
A#5	1019	SdGate1
B 5	812	BdFXGate
C 6	832	BdD&B1

PRE 26 AmbientKit

Note	Wave No.	Wave Name
C 0	827	BdBlip
C#0	553	HiQ2
D 0	1015	SdPcRim2
D#0	552	HiQ1
E 0	1084	SdAnCR
F 0	1248	TomSyn1
F#0	1213	HHClSyn
G 0	1248	TomSyn1
G#0	1215	HHClFx
A 0	1249	TomSyn2
A#0	1214	HHOpSyn
B 0	824	BdAnCR
C 1	813	BdT9-1
C#1	1034	SdHpStk3
D 1	1088	SdJngl1
D#1	752	ClapT9
E 1	1088	SdJngl1
F 1	1247	TomT8
F#1	1195	HHClT8-2
G 1	1247	TomT8
G#1	1194	HHOpT8-1
A 1	1247	TomT8
A#1	1196	HHOpT8-2
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1276	CrashSyn
D 2	1247	TomT8
D#2	1277	RideT9
E 2	1256	Crash
F 2	1265	CupMono
F#2	715	TambrnHit
G 2	1256	Crash
G#2	755	CowBelT8
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	547	Glass
G#3	547	Glass
A 3	699	Cabasa1
A#3	761	MarcsT8
B 3	568	Bird
C 4	569	Stream
C#4	559	Thunder
D 4	570	Gunshot
D#4	762	ClaveT8
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	760	TambrnAnCR
G 4	757	CowBelAnCR
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	758	AnaShaker
B 4	750	SleighBel
C 5	751	BellTree
C#5	1080	SdT8-5
D 5	534	Sonar1
D#5	1080	SdT8-5
E 5	523	Resonator
F 5	518	Bubble
F#5	1080	SdT8-5
G 5	518	Bubble
G#5	1080	SdT8-5
A 5	509	Eery
A#5	1080	SdT8-5
B 5	504	WindChime
C 6	504	WindChime

PRE 27 Jazz Kit

Note	Wave No.	Wave Name
C 0	809	BdRoom2
C#0	1059	SdBrMtR
D 0	1066	SdBSwrAtSt
D#0	1060	SdBrMt2St
E 0	1066	SdBSwrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	984	SdHip1St
G#0	732	Stick
A 0	778	BdFkML
A#0	1029	SdRkStk2St
B 0	794	BdFkSonSt
C 1	773	BdFkSt1-2
C#1	1042	SdClRmSt
D 1	969	SdLdw1St
D#1	742	HandClapSt
E 1	948	SdBhSt1-3
F 1	1227	TomFlSt
F#1	1152	HHClFtSt
G 1	1227	TomFlSt
G#1	1146	HHPdlSt
A 1	1224	TomLoSt
A#1	1158	HHOp2St
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	715	TambrnHit
G 2	1271	SplashSt
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	737	Vibraslap
B 2	1258	RideSt
C 3	676	BongoHi1
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	684	TimbaleHi1
F#3	684	TimbaleHi1
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	699	Cabasa1
A#3	696	MaracasSlr
B 3	1063	SdBrSwrSt
C 4	1063	SdBrSwrSt
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	706	Shaker2
B 4	750	SleighBel
C 5	751	BellTree
C#5	940	SdBlL1-3
D 5	895	SdFkAySt
D#5	956	SdBhR1-3
E 5	934	SdBlSt1-2
F 5	786	BdLoL
F#5	1021	SdLdwHMono
G 5	804	BdDry2
G#5	1066	SdBSwrAtSt
A 5	859	BdSlimy
A#5	1056	SdRollMono
B 5	772	BdNm2R
C 6	1256	Crash

PRE 28 Hip Hop3

Note	Wave No.	Wave Name
C 0	1081	SdT8Rim
C#0	554	VoxHitRev
D 0	560	TurnTable
D#0	540	StabHard
E 0	585	ScratchVoR
F 0	1056	SdRollMono
F#0	762	ClaveT8
G 0	989	SdHip1R
G#0	1035	SdHpStk4
A 0	824	BdAnCR
A#0	1105	SdHipRm3
B 0	815	BdT9-3
C 1	836	BdHipDp
C#1	1036	SdHpStk5
D 1	1102	SdHipGate
D#1	744	HandClapR
E 1	1129	SdLofi
F 1	1247	TomT8
F#1	1208	HHClHip
G 1	1247	TomT8
G#1	1209	HHPdlHip
A 1	1247	TomT8
A#1	1210	HHOpHip
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1257	Crash2
D 2	1247	TomT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1032	SdHpStk1
D 5	1088	SdJngl1
D#5	744	HandClapR
E 5	1111	SdBreakHvy
F 5	574	Scratch L
F#5	575	ScratchDwn
G 5	576	ScratchHiF
G#5	578	ScratchLoF
A 5	579	ScratchLoR
A#5	580	ScratchBdF
B 5	581	ScratchBdR
C 6	840	BdBreakHvy

PRE 29 Hip Hop4

Note	Wave No.	Wave Name
C 0	1033	SdHpStk2
C#0	553	HiQ2
D 0	560	TurnTable
D#0	536	HitOrch1
E 0	587	ScratchSpn
F 0	1049	SdRkRolR
F#0	762	ClaveT8
G 0	1110	SdBreak3
G#0	1040	SdHpStk7
A 0	835	BdR&B2
A#0	1097	SdR&B1Rm
B 0	816	BdT9-4
C 1	814	BdT9-2
C#1	1034	SdHpStk3
D 1	1105	SdHipRm3
D#1	744	HandClapR
E 1	1106	SdHipRm4
F 1	822	BdT8-3
F#1	1191	HHClT9
G 1	822	BdT8-3
G#1	1192	HHOpT9
A 1	822	BdT8-3
A#1	1192	HHOpT9
B 1	822	BdT8-3
C 2	822	BdT8-3
C#2	1257	Crash2
D 2	822	BdT8-3
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1042	SdClRmSt
D 5	1091	SdJnglFx
D#5	744	HandClapR
E 5	1112	SdBreakRol
F 5	577	ScratchHiR
F#5	578	ScratchLoF
G 5	579	ScratchLoR
G#5	580	ScratchBdF
A 5	581	ScratchBdR
A#5	582	ScratchSdF
B 5	583	ScratchSdR
C 6	841	BdBreakHrd

PRE 30 HipStick2

Note	Wave No.	Wave Name
C 0	1106	SdHipRm4
C#0	549	NzBurst
D 0	560	TurnTable
D#0	543	Hit Uhh
E 0	581	ScratchBdR
F 0	1055	SnLvRolR
F#0	762	ClaveT8
G 0	1083	SdAnSmRim
G#0	1102	SdHipGate
A 0	815	BdT9-3
A#0	1081	SdT8Rim
B 0	821	BdT8-2
C 1	813	BdT9-1
C#1	1105	SdHipRm3
D 1	1034	SdHpStk3
D#1	744	HandClapR
E 1	1035	SdHpStk4
F 1	1246	TomT9Lo
F#1	1191	HHClT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1245	TomT9Hi
C 2	1245	TomT9Hi
C#2	1257	Crash2
D 2	1245	TomT9Hi
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1083	SdAnSmRim
D 5	1044	SdClRmR
D#5	1106	SdHipRm4
E 5	1046	SdClRim3
F 5	574	Scratch L
F#5	575	ScratchDwn
G 5	576	ScratchHiF
G#5	578	ScratchLoF
A 5	581	ScratchBdR
A#5	591	ScratchCb2
B 5	586	ScratchStp
C 6	828	BdBlpHd

PRE 31 Garage

Note	Wave No.	Wave Name
C 0	854	BdHardLong
C#0	813	BdT9-1
D 0	859	BdSlimy
D#0	856	BdAnHard
E 0	845	BdDist4
F 0	835	BdR&B2
F#0	836	BdHipDp
G 0	849	BdFxHmr
G#0	817	BdT9Hd1
A 0	822	BdT8-3
A#0	852	BdSus
B 0	851	BdZapMid
C 1	821	BdT8-2
C#1	859	BdSlimy
D 1	1076	SdT8-1
D#1	1081	SdT8Rim
E 1	1125	SdClappy
F 1	939	SdBl3St
F#1	1149	HHOpSt
G 1	1195	HHClT8-2
G#1	1149	HHOpSt
A 1	1196	HHOpT8-2
A#1	1149	HHOpSt
B 1	1196	HHOpT8-2
C 2	753	ClapAnSm
C#2	1253	CrashSt
D 2	1274	CrashT9
D#2	1258	RideSt
E 2	1277	RideT9
F 2	763	AnaClick
F#2	762	ClaveT8
G 2	753	ClapAnSm
G#2	752	ClapT9
A 2	758	AnaShaker
A#2	754	CongaT8
B 2	754	CongaT8
C 3	1084	SdAnCR
C#3	1047	SdRkRolSt
D 3	724	AgogoHi
D#3	1308	ChinaRL
E 3	553	HiQ2
F 3	552	HiQ1
F#3	551	Zap2
G 3	550	Zap1
G#3	551	Zap2
A 3	562	DoorSqk
A#3	592	ScratchCb3
B 3	597	FretNoise
C 4	602	PlayFxGt5
C#4	576	ScratchHiF
D 4	60	Wurli+
D#4	60	Wurli+
E 4	60	Wurli+
F 4	531	ResoXFade
F#4	534	Sonar1
G 4	545	VoxDrum
G#4	545	VoxDrum
A 4	545	VoxDrum
A#4	1214	HHOpSyn
B 4	1213	HHClSyn
C 5	464	TriWv
C#5	464	TriWv
D 5	464	TriWv
D#5	464	TriWv
E 5	464	TriWv
F 5	464	TriWv
F#5	464	TriWv
G 5	464	TriWv
G#5	464	TriWv
A 5	464	TriWv
A#5	464	TriWv
B 5	464	TriWv
C 6	464	TriWv

PRE 32 ALL-ROUND

Note	Wave No.	Wave Name
C 0	854	BdHardLong
C#0	853	BdTekPower
D 0	846	BdDist5
D#0	844	BdDist3
E 0	842	BdDist1
F 0	832	BdD&B1
F#0	827	BdBlip
G 0	823	BdAnSm
G#0	821	BdT8-2
A 0	820	BdT8-1
A#0	819	BdT9Hd3
B 0	814	BdT9-2
C 1	815	BdT9-3
C#1	852	BdSus
D 1	1069	SdT9-1
D#1	1075	SdT9Rim
E 1	1072	SdT9-4
F 1	1246	TomT9Lo
F#1	1191	HHClT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	752	ClapT9
C 2	753	ClapAnSm
C#2	1274	CrashT9
D 2	754	CongaT8
D#2	1277	RideT9
E 2	754	CongaT8
F 2	763	AnaClick
F#2	762	ClaveT8
G 2	761	MarcsT8
G#2	760	TambrnAnCR
A 2	758	AnaShaker
A#2	755	CowBelT8
B 2	757	CowBelAnCR
C 3	1076	SdT8-1
C#3	1077	SdT8-2
D 3	1078	SdT8-3
D#3	1084	SdAnCR
E 3	1088	SdJngl1
F 3	1092	SdD&B1
F#3	1095	SdD&B4
G 3	1096	SdR&B1
G#3	1098	SdR&B2
A 3	1099	SdHip1
A#3	1127	SdWood
B 3	1126	SdTimber
C 4	1193	HHClT8-1
C#4	1194	HHOpT8-1
D 4	1195	HHClT8-2
D#4	1196	HHOpT8-2
E 4	1146	HHPdlSt
F 4	1149	HHOpSt
F#4	1149	HHOpSt
G 4	1211	HHClLoFi
G#4	1212	HHOpLoFi
A 4	1213	HHClSyn
A#4	1214	HHOpSyn
B 4	758	AnaShaker
C 5	759	TambrnRX5
C#5	714	TambrnSw
D 5	746	Cowbell2
D#5	676	BongoHi1
E 5	684	TimbaleHi1
F 5	736	WoodBlock
F#5	854	BdHardLong
G 5	669	TumbaOp
G#5	665	QuintOp
A 5	557	FxGun2
A#5	555	Bomb
B 5	850	BdZapHrd
C 6	589	ScratchHp2

PRE 33 Rock Multi

Note	Wave No.	Wave Name
C 0	764	BdNmSt1-2
C#0	1026	SdRkStk1St
D 0	1001	SdRkOp2St
D#0	1047	SdRkRolSt
E 0	992	SdRkOp1St
F 0	1224	TomLoSt
F#0	1152	HHClFtSt
G 0	1224	TomLoSt
G#0	1146	HHPdlSt
A 0	1221	TomMdSt
A#0	1149	HHOpSt
B 0	1218	TomHiSt
C 1	800	BdRk2St
C#1	1026	SdRkStk1St
D 1	1001	SdRkOp2St
D#1	742	HandClapSt
E 1	1004	SdRkMte2St
F 1	1236	TomRkLoSt
F#1	1161	HHClRkStSw
G 1	1236	TomRkLoSt
G#1	1170	HHPdRkStSw
A 1	1233	TomRkMdSt
A#1	1179	HHOpRkStSw
B 1	1233	TomRkMdSt
C 2	1230	TomRkHiSt
C#2	1253	CrashSt
D 2	1230	TomRkHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1271	SplashSt
G#2	745	Cowbel1
A 2	1253	CrashSt
A#2	704	Shaker1-2
B 2	1258	RideSt
C 3	797	BdRk1St
C#3	1029	SdRkStk2St
D 3	992	SdRkOp1St
D#3	752	ClapT9
E 3	995	SdRkMte1St
F 3	1236	TomRkLoSt
F#3	1161	HHClRkStSw
G 3	1236	TomRkLoSt
G#3	1176	HHPdlRkSt
A 3	1233	TomRkMdSt
A#3	1181	HHHfOpRkSt
B 3	1233	TomRkMdSt
C 4	1230	TomRkHiSt
C#4	1253	CrashSt
D 4	1230	TomRkHiSt
D#4	1259	RideL
E 4	1267	ChinaSt
F 4	1261	CupSt
F#4	715	TambrnHit
G 4	1271	SplashSt
G#4	747	MamboBel
A 4	1253	CrashSt
A#4	711	ShekereDw
B 4	1260	RideR
C 5	773	BdFkSt1-2
C#5	1026	SdRkStk1St
D 5	998	SdRkRim1St
D#5	1010	SdRkFlmSt
E 5	1007	SdRkRim2St
F 5	1227	TomFlSt
F#5	1135	HHCl4St
G 5	1224	TomLoSt
G#5	1146	HHPdlSt
A 5	1221	TomMdSt
A#5	1158	HHOp2St
B 5	1221	TomMdSt
C 6	1218	TomHiSt

PRE 34 Hip Multi

Note	Wave No.	Wave Name
C 0	822	BdT8-3
C#0	1081	SdT8Rim
D 0	1121	SdDodgL
D#0	752	ClapT9
E 0	1101	SdHip3
F 0	822	BdT8-3
F#0	1206	HHClTek
G 0	822	BdT8-3
G#0	1207	HHOpTek
A 0	822	BdT8-3
A#0	1207	HHOpTek
B 0	822	BdT8-3
C 1	836	BdHipDp
C#1	1035	SdHpStk4
D 1	1103	SdHipRm1
D#1	744	HandClapR
E 1	1100	SdHip2
F 1	1247	TomT8
F#1	1195	HHClT8-2
G 1	1247	TomT8
G#1	1199	HHOpAnCR
A 1	1247	TomT8
A#1	1194	HHOpT8-1
B 1	1247	TomT8
C 2	1247	TomT8
C#2	1274	CrashT9
D 2	1247	TomT8
D#2	1276	CrashSyn
E 2	1276	CrashSyn
F 2	1275	CrashT8
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	755	CowBelT8
A 2	1274	CrashT9
A#2	757	CowBelAnCR
B 2	1277	RideT9
C 3	836	BdHipDp
C#3	1036	SdHpStk5
D 3	1104	SdHipRm2
D#3	743	HandClapL
E 3	1099	SdHip1
F 3	1246	TomT9Lo
F#3	1197	HHClRX5
G 3	1246	TomT9Lo
G#3	1198	HHClAnCR
A 3	1246	TomT9Lo
A#3	1196	HHOpT8-2
B 3	1246	TomT9Lo
C 4	1245	TomT9Hi
C#4	1255	CrashR
D 4	1245	TomT9Hi
D#4	1275	CrashT8
E 4	1276	CrashSyn
F 4	1275	CrashT8
F#4	715	TambrnHit
G 4	1269	ChinaR
G#4	756	CowBelRX11
A 4	1254	CrashL
A#4	745	Cowbel1
B 4	1260	RideR
C 5	836	BdHipDp
C#5	1041	SdHipStk8
D 5	1102	SdHipGate
D#5	1100	SdHip2
E 5	1107	SdHipRm5
F 5	1252	TomDistLo
F#5	1208	HHClHip
G 5	1252	TomDistLo
G#5	1209	HHPdlHip
A 5	1251	TomDistHi
A#5	1210	HHOpHip
B 5	1251	TomDistHi
C 6	1250	TomAnSm

PRE 35 Percussion

Note	Wave No.	Wave Name
C 0	367	Wataiko
C#0	377	Udo Hi
D 0	370	DjembeOp
D#0	667	QuintTip
E 0	378	Udo Low
F 0	376	UdoFinger
F#0	377	Udo Hi
G 0	372	TabraBya
G#0	721	TmbourimOp
A 0	374	TablaMut
A#0	373	TabraNah
B 0	374	TablaMut
C 1	92	Timpani
C#1	543	Hit Uhh
D 1	594	PickNoise1
D#1	752	ClapT9
E 1	741	TriangleMt
F 1	740	TriangleOp
F#1	734	Castanet
G 1	734	Castanet
G#1	734	Castanet
A 1	727	GuiroLong
A#1	728	GuiroShort
B 1	729	GuiroSwp
C 2	737	Vibraslap
C#2	735	Clave
D 2	762	ClaveT8
D#2	673	CuicaLo
E 2	674	CuicaHi
F 2	687	TmbaleL1-3
F#2	736	WoodBlock
G 2	689	TimbaleLo2
G#2	736	WoodBlock
A 2	683	TmbaleH1-3
A#2	749	ChaCha
B 2	685	TimbaleHi2
C 3	691	TmblPailaL
C#3	691	TmblPailaL
D 3	690	TmblPailaH
D#3	747	MamboBel
E 3	679	BongoLo1-3
F 3	682	BongoLo3
F#3	745	Cowbel1
G 3	675	BongoHi1-2
G#3	746	Cowbell2
A 3	678	BongoHHeel
A#3	725	AgogoLo
B 3	724	AgogoHi
C 4	672	TumbaHeel
C#4	671	TumbaTip
D 4	670	TumbaSlp
D#4	696	MaracasSlr
E 4	669	TumbaOp
F 4	664	CongaHeel
F#4	663	CongaTip
G 4	662	CongaSlp
G#4	705	Shaker1
A 4	661	CongaOp
A#4	699	Cabasa1
B 4	698	Cabasa1-2
C 5	668	QuintHeel
C#5	667	QuintTip
D 5	666	QuintSlp
D#5	706	Shaker2
E 5	665	QuintOp
F 5	702	Caxixi1
F#5	716	TambrnShk
G 5	715	TambrnHit
G#5	714	TambrnSw
A 5	715	TambrnHit
A#5	750	SleighBel
B 5	738	Whistle
C 6	738	Whistle

PRE 36 Latin Perc

Note	Wave No.	Wave Name
C 0	791	BdLSonSt
C#0	1029	SdRkStk2St
D 0	883	SdFkSt1/3
D#0	1253	CrashSt
E 0	1271	SplashSt
F 0	1224	TomLoSt
F#0	1131	HHClSt1-4
G 0	1224	TomLoSt
G#0	1146	HHPdlSt
A 0	1221	TomMdSt
A#0	1149	HHOpSt
B 0	1218	TomHiSt
C 1	671	TumbaTip
C#1	672	TumbaHeel
D 1	670	TumbaSlp
D#1	735	Clave
E 1	669	TumbaOp
F 1	663	CongaTip
F#1	664	CongaHeel
G 1	662	CongaSlp
G#1	749	ChaCha
A 1	661	CongaOp
A#1	748	MamboBdy
B 1	747	MamboBel
C 2	667	QuintTip
C#2	668	QuintHeel
D 2	666	QuintSlp
D#2	749	ChaCha
E 2	665	QuintOp
F 2	680	BongoLo1
F#2	678	BongoHHeel
G 2	676	BongoHi1
G#2	688	TimbaleLo1
A 2	691	TmblPailaL
A#2	684	TimbaleHi1
B 2	690	TmblPailaH
C 3	736	WoodBlock
C#3	736	WoodBlock
D 3	711	ShekereDw
D#3	712	ShekereUp
E 3	713	ShekereSap
F 3	696	MaracasSlr
F#3	697	MaracasStc
G 3	727	GuiroLong
G#3	728	GuiroShort
A 3	729	GuiroSwp
A#3	731	SurdoMt
B 3	730	SurdoOp
C 4	719	PandierTip
C#4	720	PandroHeel
D 4	718	PandierThm
D#4	717	PandieroOp
E 4	722	TmbourmFng
F 4	723	TmbourimMt
F#4	721	TmbourimOp
G 4	726	AgogoLoTap
G#4	725	AgogoLo
A 4	724	AgogoHi
A#4	740	TriangleOp
B 4	741	TriangleMt
C 5	692	GanzaAc
C#5	693	GanzaBk
D 5	694	GanzaFw
D#5	699	Cabasa1
E 5	700	Cabasa2
F 5	702	Caxixi1
F#5	703	Caxixi2
G 5	673	CuicaLo
G#5	674	CuicaHi
A 5	738	Whistle
A#5	738	Whistle
B 5	737	Vibraslap
C 6	751	BellTree

PRE 37 Gtr/Bs Fx

Note	Wave No.	Wave Name
C 0	618	PlayFxABa8
C#0	618	PlayFxABa8
D 0	601	PlayFxGt4
D#0	188	PwrChdMono
E 0	188	PwrChdMono
F 0	619	PlayFxABa9
F#0	595	PickNoise2
G 0	616	PlayFxABa6
G#0	595	PickNoise2
A 0	616	PlayFxABa6
A#0	604	PlayFxGt7
B 0	622	PlyFxSlp1H
C 1	643	PlyFxSl12S
C#1	614	PlayFxABa4
D 1	600	PlayFxGt3
D#1	619	PlayFxABa9
E 1	602	PlayFxGt5
F 1	623	PlyFxSlp2S
F#1	595	PickNoise2
G 1	623	PlyFxSlp2S
G#1	595	PickNoise2
A 1	623	PlyFxSlp2S
A#1	597	FretNoise
B 1	623	PlyFxSlp2S
C 2	623	PlyFxSlp2S
C#2	657	PlyFxSl19S
D 2	623	PlyFxSlp2S
D#2	595	PickNoise2
E 2	657	PlyFxSl19S
F 2	595	PickNoise2
F#2	624	PlyFxSlp2H
G 2	657	PlyFxSl19S
G#2	609	PlayFxGt12
A 2	657	PlyFxSl19S
A#2	655	PlyFxSl18S
B 2	595	PickNoise2
C 3	614	PlayFxABa4
C#3	614	PlayFxABa4
D 3	612	PlayFxABa2
D#3	613	PlayFxABa3
E 3	611	PlayFxABa1
F 3	618	PlayFxABa8
F#3	618	PlayFxABa8
G 3	618	PlayFxABa8
G#3	618	PlayFxABa8
A 3	603	PlayFxGt6
A#3	601	PlayFxGt4
B 3	610	PlayFxGt13
C 4	609	PlayFxGt12
C#4	615	PlayFxABa5
D 4	616	PlayFxABa6
D#4	594	PickNoise1
E 4	594	PickNoise1
F 4	596	PickNoise3
F#4	604	PlayFxGt7
G 4	605	PlayFxGt8
G#4	595	PickNoise2
A 4	595	PickNoise2
A#4	600	PlayFxGt3
B 4	655	PlyFxSl18S
C 5	606	PlayFxGt9
C#5	607	PlayFxGt10
D 5	608	PlayFxGt11
D#5	598	PlayFxGt1
E 5	599	PlayFxGt2
F 5	600	PlayFxGt3
F#5	601	PlayFxGt4
G 5	653	PlyFxSl17S
G#5	634	PlyFxSlp7H
A 5	633	PlyFxSlp7S
A#5	656	PlyFxSl18H
B 5	657	PlyFxSl19S
C 6	659	PlyFxSl20S

PRE 38 Wacko Kit

Note	Wave No.	Wave Name
C 0	630	PlyFxSlp5H
C#0	594	PickNoise1
D 0	1203	HHPdlD&B
D#0	743	HandClapL
E 0	584	ScratchVoF
F 0	548	IndusTom
F#0	1127	SdWood
G 0	548	IndusTom
G#0	1117	SdClpAna
A 0	548	IndusTom
A#0	1123	SdFMRim
B 0	812	BdFXGate
C 1	849	BdFxHmr
C#1	614	PlayFxABa4
D 1	1122	SdFM
D#1	743	HandClapL
E 1	1126	SdTimber
F 1	1249	TomSyn2
F#1	1213	HHClSyn
G 1	1249	TomSyn2
G#1	1214	HHOpSyn
A 1	1249	TomSyn2
A#1	1214	HHOpSyn
B 1	1249	TomSyn2
C 2	1249	TomSyn2
C#2	1189	HHOpMono
D 2	534	Sonar1
D#2	1194	HHOpT8-1
E 2	1189	HHOpMono
F 2	1262	CupL
F#2	750	SleighBel
G 2	1196	HHOpT8-2
G#2	531	ResoXFade
A 2	1254	CrashL
A#2	572	RainLoop
B 2	1263	CupR
C 3	516	AirHoseL
C#3	516	AirHoseL
D 3	377	Udo Hi
D#3	426	MgBass2
E 3	427	MgBass3
F 3	618	PlayFxABa8
F#3	618	PlayFxABa8
G 3	725	AgogoLo
G#3	725	AgogoLo
A 3	1217	HHOpHuman
A#3	554	VoxHitRev
B 3	552	HiQ1
C 4	552	HiQ1
C#4	533	LfoSeq
D 4	533	LfoSeq
D#4	505	BellAir
E 4	511	HH Hit
F 4	511	HH Hit
F#4	525	OohFB
G 4	525	OohFB
G#4	528	Mind Bell
A 4	547	Glass
A#4	519	Swarm
B 4	557	FxGun2
C 5	521	Lektronica
C#5	609	PlayFxGt12
D 5	570	Gunshot
D#5	561	Police
E 5	546	Ripper
F 5	604	PlayFxGt7
F#5	556	TapeRewnd
G 5	558	FxGun1
G#5	555	Bomb
A 5	551	Zap2
A#5	549	NzBurst
B 5	539	StabGiant
C 6	538	StabOrch

PRE 39 Wood Bits

Note	Wave No.	Wave Name
C 0	762	ClaveT8
C#0	1038	SdHpStk6L
D 0	727	GuiroLong
D#0	1039	SdHpStk6R
E 0	727	GuiroLong
F 0	619	PlayFxABa9
F#0	734	Castanet
G 0	618	PlayFxABa8
G#0	732	Stick
A 0	617	PlayFxABa7
A#0	614	PlayFxABa4
B 0	1245	TomT9Hi
C 1	596	PickNoise3
C#1	1046	SdClRim3
D 1	733	Stick2
D#1	727	GuiroLong
E 1	733	Stick2
F 1	614	PlayFxABa4
F#1	1083	SdAnSmRim
G 1	614	PlayFxABa4
G#1	753	ClapAnSm
A 1	614	PlayFxABa4
A#1	737	Vibraslap
B 1	614	PlayFxABa4
C 2	614	PlayFxABa4
C#2	565	Seashore
D 2	614	PlayFxABa4
D#2	1029	SdRkStk2St
E 2	571	Applause
F 2	1027	SdRkStk1L
F#2	716	TambrnShk
G 2	565	Seashore
G#2	736	WoodBlock
A 2	571	Applause
A#2	564	Helicopter
B 2	1031	SdRkStk2R
C 3	613	PlayFxABa3
C#3	613	PlayFxABa3
D 3	734	Castanet
D#3	734	Castanet
E 3	736	WoodBlock
F 3	691	TmblPailaL
F#3	691	TmblPailaL
G 3	732	Stick
G#3	733	Stick2
A 3	701	Caxixi1-2
A#3	703	Caxixi2
B 3	562	DoorSqk
C 4	562	DoorSqk
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	562	DoorSqk
G 4	562	DoorSqk
G#4	736	WoodBlock
A 4	735	Clave
A#4	562	DoorSqk
B 4	743	HandClapL
C 5	749	ChaCha
C#5	1001	SdRkOp2St
D 5	831	BdJngl3
D#5	666	QuintSlp
E 5	809	BdRoom2
F 5	788	BdHSonSt
F#5	1024	SdHeavy
G 5	614	PlayFxABa4
G#5	1026	SdRkStk1St
A 5	859	BdSlimy
A#5	1019	SdGate1
B 5	794	BdFkSonSt
C 6	811	BdGate

PRE 40 Metal Bits

Note	Wave No.	Wave Name
C 0	755	CowBelT8
C#0	1145	HHCl4R
D 0	1263	CupR
D#0	1214	HHOpSyn
E 0	1262	CupL
F 0	1261	CupSt
F#0	446	FMMetal2
G 0	1258	RideSt
G#0	1258	RideSt
A 0	746	Cowbell2
A#0	1132	HHCl1St
B 0	749	ChaCha
C 1	746	Cowbell2
C#1	1213	HHClSyn
D 1	1207	HHOpTek
D#1	1195	HHClT8-2
E 1	1197	HHClRX5
F 1	746	Cowbell2
F#1	1194	HHOpT8-1
G 1	746	Cowbell2
G#1	1213	HHClSyn
A 1	746	Cowbell2
A#1	1214	HHOpSyn
B 1	746	Cowbell2
C 2	746	Cowbell2
C#2	1216	HHOpFx
D 2	746	Cowbell2
D#2	1261	CupSt
E 2	1199	HHOpAnCR
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1216	HHOpFx
G#2	747	MamboBel
A 2	1216	HHOpFx
A#2	750	SleighBel
B 2	1264	RideMono
C 3	78	Vibraphone
C#3	78	Vibraphone
D 3	82	Tubular
D#3	83	Bell
E 3	86	BrBell
F 3	690	TmblPailaH
F#3	691	TmblPailaL
G 3	83	Bell
G#3	83	Bell
A 3	1132	HHCl1St
A#3	1199	HHOpAnCR
B 3	505	BellAir
C 4	504	WindChime
C#4	1184	HHOpRkL
D 4	521	Lektronica
D#4	725	AgogoLo
E 4	745	Cowbel1
F 4	746	Cowbell2
F#4	513	HiLo
G 4	513	HiLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	504	WindChime
B 4	750	SleighBel
C 5	751	BellTree
C#5	87	SmBell
D 5	87	SmBell
D#5	86	BrBell
E 5	88	Hibasi
F 5	76	Harpsicord
F#5	1021	SdLdwHMono
G 5	78	Vibraphone
G#5	1022	SdBrRim
A 5	358	Gamelan2
A#5	376	UdoFinger
B 5	89	FingerCym
C 6	83	Bell

PRE 41 Hands Kit

Note	Wave No.	Wave Name
C 0	374	TablaMut
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBSwrAtSt
F 0	657	PlyFxSl19S
F#0	614	PlayFxABa4
G 0	718	PandierThm
G#0	374	TablaMut
A 0	648	PlyFxSl14H
A#0	614	PlayFxABa4
B 0	375	TabraCmb
C 1	367	Wataiko
C#1	667	QuintTip
D 1	1060	SdBrMt2St
D#1	742	HandClapSt
E 1	895	SdFkAySt
F 1	378	Udo Low
F#1	374	TablaMut
G 1	378	Udo Low
G#1	372	TabraBya
A 1	377	Udo Hi
A#1	373	TabraNah
B 1	377	Udo Hi
C 2	376	UdoFinger
C#2	1260	RideR
D 2	376	UdoFinger
D#2	1261	CupSt
E 2	1266	CupMono2
F 2	1261	CupSt
F#2	715	TambrnHit
G 2	1261	CupSt
G#2	745	Cowbel1
A 2	1264	RideMono
A#2	737	Vibraslap
B 2	1259	RideL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	722	TmbourmFng
A#3	722	TmbourmFng
B 3	743	HandClapL
C 4	743	HandClapL
C#4	727	GuiroLong
D 4	727	GuiroLong
D#4	376	UdoFinger
E 4	372	TabraBya
F 4	663	CongaTip
F#4	377	Udo Hi
G 4	377	Udo Hi
G#4	376	UdoFinger
A 4	89	FingerCym
A#4	374	TablaMut
B 4	750	SleighBel
C 5	751	BellTree
C#5	614	PlayFxABa4
D 5	613	PlayFxABa3
D#5	613	PlayFxABa3
E 5	612	PlayFxABa2
F 5	613	PlayFxABa3
F#5	618	PlayFxABa8
G 5	669	TumbaOp
G#5	611	PlayFxABa1
A 5	617	PlayFxABa7
A#5	378	Udo Low
B 5	371	DjembeCmb
C 6	670	TumbaSlp

PRE 42 Scratches

Note	Wave No.	Wave Name
C 0	573	Scratch H
C#0	574	Scratch L
D 0	575	ScratchDwn
D#0	576	ScratchHiF
E 0	577	ScratchHiR
F 0	578	ScratchLoF
F#0	579	ScratchLoR
G 0	580	ScratchBdF
G#0	581	ScratchBdR
A 0	582	ScratchSdF
A#0	583	ScratchSdR
B 0	584	ScratchVoF
C 1	573	Scratch H
C#1	574	Scratch L
D 1	575	ScratchDwn
D#1	576	ScratchHiF
E 1	577	ScratchHiR
F 1	578	ScratchLoF
F#1	579	ScratchLoR
G 1	580	ScratchBdF
G#1	581	ScratchBdR
A 1	582	ScratchSdF
A#1	583	ScratchSdR
B 1	584	ScratchVoF
C 2	585	ScratchVoR
C#2	586	ScratchStp
D 2	587	ScratchSpn
D#2	588	ScrathcHip
E 2	589	ScratchHp2
F 2	590	ScratchCmb
F#2	591	ScratchCb2
G 2	592	ScratchCb3
G#2	593	ScratchCb4
A 2	573	Scratch H
A#2	574	Scratch L
B 2	575	ScratchDwn
C 3	576	ScratchHiF
C#3	577	ScratchHiR
D 3	578	ScratchLoF
D#3	579	ScratchLoR
E 3	580	ScratchBdF
F 3	581	ScratchBdR
F#3	582	ScratchSdF
G 3	583	ScratchSdR
G#3	584	ScratchVoF
A 3	585	ScratchVoR
A#3	586	ScratchStp
B 3	587	ScratchSpn
C 4	588	ScrathcHip
C#4	589	ScratchHp2
D 4	590	ScratchCmb
D#4	591	ScratchCb2
E 4	592	ScratchCb3
F 4	593	ScratchCb4
F#4	573	Scratch H
G 4	574	Scratch L
G#4	575	ScratchDwn
A 4	576	ScratchHiF
A#4	577	ScratchHiR
B 4	578	ScratchLoF
C 5	579	ScratchLoR
C#5	580	ScratchBdF
D 5	581	ScratchBdR
D#5	582	ScratchSdF
E 5	583	ScratchSdR
F 5	584	ScratchVoF
F#5	585	ScratchVoR
G 5	586	ScratchStp
G#5	587	ScratchSpn
A 5	588	ScrathcHip
A#5	589	ScratchHp2
B 5	590	ScratchCmb
C 6	591	ScratchCb2

PRE 43 AcstSnares

Note	Wave No.	Wave Name
C 0	866	SdNm1St
C#0	867	SdNm2St
D 0	868	SdNm3St
D#0	869	SdNm4St
E 0	884	SdFk1St
F 0	885	SdFk2St
F#0	886	SdFk3St
G 0	895	SdFkAySt
G#0	902	SdBs1St
A 0	903	SdBs2St
A#0	904	SdBs3St
B 0	919	SdSon1St
C 1	920	SdSon2St
C#1	921	SdSon3St
D 1	922	SdSon4St
D#1	937	SdBl1St
E 1	938	SdBl2St
F 1	939	SdBl3St
F#1	952	SdBh1St
G 1	953	SdBh2St
G#1	954	SdBh3St
A 1	969	SdLdw1St
A#1	970	SdLdw2St
B 1	971	SdLdw3St
C 2	972	SdLdw4St
C#2	984	SdHip1St
D 2	985	SdHip2St
D#2	992	SdRkOp1St
E 2	995	SdRkMte1St
F 2	998	SdRkRim1St
F#2	1001	SdRkOp2St
G 2	1004	SdRkMte2St
G#2	1007	SdRkRim2St
A 2	1010	SdRkFlmSt
A#2	992	SdRkOp1St
B 2	995	SdRkMte1St
C 3	998	SdRkRim1St
C#3	1001	SdRkOp2St
D 3	1004	SdRkMte2St
D#3	1007	SdRkRim2St
E 3	1010	SdRkFlmSt
F 3	868	SdNm3St
F#3	895	SdFkAySt
G 3	904	SdBs3St
G#3	921	SdSon3St
A 3	954	SdBh3St
A#3	971	SdLdw3St
B 3	980	SdLdw3R
C 4	1013	SdPicol
C#4	1014	SdPcRim
D 4	1015	SdPcRim2
D#4	1016	SdMid
E 4	1017	SdMdRim
F 4	1018	SdAmb
F#4	1019	SdGate1
G 4	1021	SdLdwHMono
G#4	1022	SdBrRim
A 4	1023	SdDry
A#4	1024	SdHeavy
B 4	1025	SdGM
C 5	1026	SdRkStk1St
C#5	1029	SdRkStk2St
D 5	1042	SdClRmSt
D#5	1045	SdClRim2
E 5	1046	SdClRim3
F 5	1047	SdRkRolSt
F#5	1001	SdRkOp2St
G 5	1053	SnLvRolSt
G#5	920	SdSon2St
A 5	1056	SdRollMono
A#5	971	SdLdw3St
B 5	1057	SdBrMtSt
C 6	1066	SdBSwrAtSt

PRE 44 StSnares

Note	Wave No.	Wave Name
C 0	860	SdNmSt1-4
C#0	861	SdNmSt1-3
D 0	862	SdNmSt2-4
D#0	863	SdNmSt1-2
E 0	864	SdNmSt2-3
F 0	865	SdNmSt3-4
F#0	866	SdNm1St
G 0	867	SdNm2St
G#0	868	SdNm3St
A 0	869	SdNm4St
A#0	880	SdFkSt1-3
B 0	881	SdFkSt1-2
C 1	882	SdFkSt2-3
C#1	883	SdFkSt1/3
D 1	884	SdFk1St
D#1	885	SdFk2St
E 1	886	SdFk3St
F 1	895	SdFkAySt
F#1	898	SdBsSt1-3
G 1	899	SdBsSt1-2
G#1	900	SdBsSt2-3
A 1	901	SdBsSt1/3
A#1	902	SdBs1St
B 1	903	SdBs2St
C 2	904	SdBs3St
C#2	913	SdSonSt1-4
D 2	914	SdSonSt1-3
D#2	915	SdSonSt2-4
E 2	916	SdSonSt1-2
F 2	917	SdSonSt2-3
F#2	918	SdSonSt3-4
G 2	919	SdSon1St
G#2	920	SdSon2St
A 2	921	SdSon3St
A#2	922	SdSon4St
B 2	933	SdBlSt1-3
C 3	934	SdBlSt1-2
C#3	935	SdBlSt2-3
D 3	936	SdBlSt1/3
D#3	937	SdBl1St
E 3	938	SdBl2St
F 3	939	SdBl3St
F#3	948	SdBhSt1-3
G 3	949	SdBhSt1-2
G#3	950	SdBhSt2-3
A 3	951	SdBhSt1/3
A#3	952	SdBh1St
B 3	953	SdBh2St
C 4	954	SdBh3St
C#4	963	SdLdwSt1-4
D 4	964	SdLdwSt1-3
D#4	965	SdLdwSt2-4
E 4	966	SdLdwSt1-2
F 4	967	SdLdwSt2-3
F#4	968	SdLdwSt3-4
G 4	969	SdLdw1St
G#4	970	SdLdw2St
A 4	971	SdLdw3St
A#4	972	SdLdw4St
B 4	984	SdHip1St
C 5	992	SdRkOp1St
C#5	995	SdRkMte1St
D 5	998	SdRkRim1St
D#5	1001	SdRkOp2St
E 5	1004	SdRkMte2St
F 5	1007	SdRkRim2St
F#5	1010	SdRkFlmSt
G 5	1047	SdRkRolSt
G#5	992	SdRkOp1St
A 5	1050	SdRkRolDSt
A#5	1001	SdRkOp2St
B 5	1053	SnLvRolSt
C 6	868	SdNm3St

PRE 45 AllKicks

Note	Wave No.	Wave Name
C 0	764	BdNmSt1-2
C#0	765	BdNm1St
D 0	766	BdNm2St
D#0	767	BdNmL1-2
E 0	773	BdFkSt1-2
F 0	774	BdFk1St
F#0	775	BdFk2St
G 0	782	BdHiSt
G#0	785	BdLoSt
A 0	788	BdHSonSt
A#0	791	BdLSonSt
B 0	794	BdFkSonSt
C 1	797	BdRk1St
C#1	800	BdRk2St
D 1	803	BdDry1
D#1	804	BdDry2
E 1	805	BdPop
F 1	806	BdVar1
F#1	807	BdVar2
G 1	808	BdRoom1
G#1	809	BdRoom2
A 1	810	BdRoom3
A#1	811	BdGate
B 1	812	BdFXGate
C 2	813	BdT9-1
C#2	814	BdT9-2
D 2	815	BdT9-3
D#2	816	BdT9-4
E 2	817	BdT9Hd1
F 2	818	BdT9Hd2
F#2	819	BdT9Hd3
G 2	820	BdT8-1
G#2	821	BdT8-2
A 2	822	BdT8-3
A#2	823	BdAnSm
B 2	824	BdAnCR
C 3	825	BdHuman1
C#3	826	BdHuman2
D 3	827	BdBlip
D#3	828	BdBlpHd
E 3	829	BdJngl1
F 3	830	BdJngl2
F#3	831	BdJngl3
G 3	832	BdD&B1
G#3	833	BdD&B2
A 3	834	BdR&B1
A#3	835	BdR&B2
B 3	836	BdHipDp
C 4	837	BdBrkDp
C#4	838	BdBreak1
D 4	839	BdBreak2
D#4	840	BdBreakHvy
E 4	841	BdBreakHrd
F 4	842	BdDist1
F#4	843	BdDist2
G 4	844	BdDist3
G#4	845	BdDist4
A 4	846	BdDist5
A#4	847	BdDistRM
B 4	848	Bd+HH
C 5	849	BdFxHmr
C#5	850	BdZapHrd
D 5	851	BdZapMid
D#5	852	BdSus
E 5	853	BdTekPower
F 5	854	BdHardLong
F#5	855	BdATite
G 5	856	BdAnHard
G#5	857	BdLofi
A 5	858	BdThkSkn
A#5	859	BdSlimy
B 5	859	BdSlimy
C 6	859	BdSlimy

PRE 46 DanceKicks

Note	Wave No.	Wave Name
C 0	813	BdT9-1
C#0	813	BdT9-1
D 0	814	BdT9-2
D#0	815	BdT9-3
E 0	815	BdT9-3
F 0	816	BdT9-4
F#0	817	BdT9Hd1
G 0	818	BdT9Hd2
G#0	819	BdT9Hd3
A 0	819	BdT9Hd3
A#0	854	BdHardLong
B 0	824	BdAnCR
C 1	813	BdT9-1
C#1	814	BdT9-2
D 1	815	BdT9-3
D#1	816	BdT9-4
E 1	817	BdT9Hd1
F 1	818	BdT9Hd2
F#1	819	BdT9Hd3
G 1	820	BdT8-1
G#1	821	BdT8-2
A 1	822	BdT8-3
A#1	823	BdAnSm
B 1	824	BdAnCR
C 2	825	BdHuman1
C#2	826	BdHuman2
D 2	827	BdBlip
D#2	828	BdBlpHd
E 2	829	BdJngl1
F 2	830	BdJngl2
F#2	831	BdJngl3
G 2	832	BdD&B1
G#2	833	BdD&B2
A 2	834	BdR&B1
A#2	835	BdR&B2
B 2	836	BdHipDp
C 3	837	BdBrkDp
C#3	838	BdBreak1
D 3	839	BdBreak2
D#3	840	BdBreakHvy
E 3	841	BdBreakHrd
F 3	842	BdDist1
F#3	843	BdDist2
G 3	844	BdDist3
G#3	845	BdDist4
A 3	846	BdDist5
A#3	847	BdDistRM
B 3	848	Bd+HH
C 4	849	BdFxHmr
C#4	850	BdZapHrd
D 4	851	BdZapMid
D#4	852	BdSus
E 4	853	BdTekPower
F 4	854	BdHardLong
F#4	855	BdATite
G 4	856	BdAnHard
G#4	857	BdLofi
A 4	858	BdThkSkn
A#4	859	BdSlimy
B 4	811	BdGate
C 5	812	BdFXGate
C#5	813	BdT9-1
D 5	814	BdT9-2
D#5	815	BdT9-3
E 5	816	BdT9-4
F 5	817	BdT9Hd1
F#5	818	BdT9Hd2
G 5	819	BdT9Hd3
G#5	828	BdBlpHd
A 5	835	BdR&B2
A#5	851	BdZapMid
B 5	854	BdHardLong
C 6	855	BdATite

PRE 47 Snare & Fx

Note	Wave No.	Wave Name
C 0	1113	SdFx1
C#0	1114	SdFx2
D 0	1115	SdFx3
D#0	1116	SdFx4
E 0	1118	SdDist
F 0	1119	SdCut
F#0	1120	SdDodgH
G 0	1121	SdDodgL
G#0	1122	SdFM
A 0	1124	SdSyn
A#0	1128	SdHammer
B 0	1129	SdLofi
C 1	1069	SdT9-1
C#1	1070	SdT9-2
D 1	1071	SdT9-3
D#1	1072	SdT9-4
E 1	1073	SdT9-5
F 1	1074	SdT9Gate
F#1	1076	SdT8-1
G 1	1077	SdT8-2
G#1	1078	SdT8-3
A 1	1079	SdT8-4
A#1	1080	SdT8-5
B 1	1082	SdAnSm
C 2	1084	SdAnCR
C#2	1086	SdHuman1
D 2	1088	SdJngl1
D#2	1089	SdJngl2
E 2	1090	SdJngl3
F 2	1091	SdJnglFx
F#2	1092	SdD&B1
G 2	1093	SdD&B2
G#2	1094	SdD&B3
A 2	1095	SdD&B4
A#2	1096	SdR&B1
B 2	1097	SdR&B1Rm
C 3	1098	SdR&B2
C#3	1099	SdHip1
D 3	1100	SdHip2
D#3	1101	SdHip3
E 3	1102	SdHipGate
F 3	1103	SdHipRm1
F#3	1104	SdHipRm2
G 3	1105	SdHipRm3
G#3	1106	SdHipRm4
A 3	1107	SdHipRm5
A#3	1109	SdBreak2
B 3	1111	SdBreakHvy
C 4	598	PlayFxGt1
C#4	602	PlayFxGt5
D 4	609	PlayFxGt12
D#4	611	PlayFxABa1
E 4	618	PlayFxABa8
F 4	596	PickNoise3
F#4	573	Scratch H
G 4	574	Scratch L
G#4	575	ScratchDwn
A 4	576	ScratchHiF
A#4	586	ScratchStp
B 4	587	ScratchSpn
C 5	546	Ripper
C#5	549	NzBurst
D 5	550	Zap1
D#5	551	Zap2
E 5	552	HiQ1
F 5	553	HiQ2
F#5	555	Bomb
G 5	558	FxGun1
G#5	510	Electer
A 5	511	HH Hit
A#5	520	Mother
B 5	544	HitOrch2
C 6	539	StabGiant

PRE 48 EasySnares

Note	Wave No.	Wave Name
C 0		
C#0		
D 0		
D#0		
E 0		
F 0		
F#0		
G 0		
G#0		
A 0		
A#0		
B 0		
C 1	1053	SnLvRolSt
C#1	1066	SdBSwrAtSt
D 1	1063	SdBrSwrSt
D#1	1060	SdBrMt2St
E 1	1057	SdBrMtSt
F 1	1042	SdClRmSt
F#1	1042	SdClRmSt
G 1	884	SdFk1St
G#1	884	SdFk1St
A 1	884	SdFk1St
A#1	885	SdFk2St
B 1	885	SdFk2St
C 2	886	SdFk3St
C#2	886	SdFk3St
D 2	937	SdBl1St
D#2	938	SdBl2St
E 2	938	SdBl2St
F 2	939	SdBl3St
F#2	939	SdBl3St
G 2	866	SdNm1St
G#2	867	SdNm2St
A 2	867	SdNm2St
A#2	868	SdNm3St
B 2	868	SdNm3St
C 3	869	SdNm4St
C#3	869	SdNm4St
D 3	984	SdHip1St
D#3	984	SdHip1St
E 3	984	SdHip1St
F 3	985	SdHip2St
F#3	985	SdHip2St
G 3	919	SdSon1St
G#3	920	SdSon2St
A 3	920	SdSon2St
A#3	921	SdSon3St
B 3	921	SdSon3St
C 4	922	SdSon4St
C#4	922	SdSon4St
D 4	902	SdBs1St
D#4	903	SdBs2St
E 4	903	SdBs2St
F 4	904	SdBs3St
F#4	904	SdBs3St
G 4	969	SdLdw1St
G#4	970	SdLdw2St
A 4	970	SdLdw2St
A#4	971	SdLdw3St
B 4	971	SdLdw3St
C 5	972	SdLdw4St
C#5	972	SdLdw4St
D 5	952	SdBh1St
D#5	953	SdBh2St
E 5	953	SdBh2St
F 5	954	SdBh3St
F#5	954	SdBh3St
G 5	742	HandClapSt
G#5	752	ClapT9
A 5	753	ClapAnSm
A#5	732	Stick
B 5	733	Stick2
C 6	895	SdFkAySt

USER 1 RockMono2

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1058	SdBrMtL
D 0	1064	SdBrSwrL
D#0	1061	SdBrMt2L
E 0	1067	SdBrSwrAtL
F 0	1054	SnLvRolL
F#0	734	Castanet
G 0	978	SdLdw2R
G#0	732	Stick
A 0	805	BdPop
A#0	981	SdLdw4L
B 0	772	BdNm2R
C 1	803	BdDry1
C#1	1044	SdClRmR
D 1	941	SdBlR1-3
D#1	743	HandClapL
E 1	974	SdLdwR1-4
F 1	1237	TomRkLoL
F#1	1175	HHClRk2R
G 1	1237	TomRkLoL
G#1	1178	HHPdlRkR
A 1	1234	TomRkMdL
A#1	1185	HHOpRkR
B 1	1234	TomRkMdL
C 2	1232	TomRkHiR
C#2	1254	CrashL
D 2	1232	TomRkHiR
D#2	1260	RideR
E 2	1269	ChinaR
F 2	1263	CupR
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	745	Cowbel1
A 2	1254	CrashL
A#2	737	Vibraslap
B 2	1264	RideMono
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1030	SdRkStk2L
D 5	1017	SdMdRim
D#5	991	SdHip2R
E 5	1016	SdMid
F 5	808	BdRoom1
F#5	979	SdLdw3L
G 5	836	BdHipDp
G#5	982	SdLdw4R
A 5	790	BdHSonR
A#5	993	SdRkOp1L
B 5	805	BdPop
C 6	809	BdRoom2

USER 2 RockMono3

Note	Wave No.	Wave Name
C 0	763	AnaClick
C#0	1058	SdBrMtL
D 0	1064	SdBrSwrL
D#0	1061	SdBrMt2L
E 0	1067	SdBrSwrAtL
F 0	1054	SnLvRolL
F#0	734	Castanet
G 0	973	SdLdwL1-4
G#0	732	Stick
A 0	803	BdDry1
A#0	1017	SdMdRim
B 0	807	BdVar2
C 1	810	BdRoom3
C#1	1044	SdClRmR
D 1	1016	SdMid
D#1	743	HandClapL
E 1	1024	SdHeavy
F 1	1242	TmDryLo
F#1	1188	HHClMono
G 1	1242	TmDryLo
G#1	1190	HHPdlMono
A 1	1241	TomDryHi
A#1	1189	HHOpMono
B 1	1241	TomDryHi
C 2	1241	TomDryHi
C#2	1254	CrashL
D 2	1241	TomDryHi
D#2	1260	RideR
E 2	1267	ChinaSt
F 2	1263	CupR
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	745	Cowbel1
A 2	1254	CrashL
A#2	737	Vibraslap
B 2	1264	RideMono
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1032	SdHpStk1
D 5	1024	SdHeavy
D#5	1013	SdPicol
E 5	1021	SdLdwHMono
F 5	802	BdRk2R
F#5	1017	SdMdRim
G 5	835	BdR&B2
G#5	1019	SdGate1
A 5	773	BdFkSt1-2
A#5	1014	SdPcRim
B 5	778	BdFkML
C 6	809	BdRoom2

USER 3 Hip Hop5

Note	Wave No.	Wave Name
C 0	1032	SdHpStk1
C#0	552	HiQ1
D 0	560	TurnTable
D#0	543	Hit Uhh
E 0	586	ScratchStp
F 0	1054	SnLvRolL
F#0	762	ClaveT8
G 0	1119	SdCut
G#0	1028	SnRkStk1R
A 0	814	BdT9-2
A#0	1103	SdHipRm1
B 0	820	BdT8-1
C 1	837	BdBrkDp
C#1	1046	SdClRim3
D 1	1104	SdHipRm2
D#1	744	HandClapR
E 1	1096	SdR&B1
F 1	754	CongaT8
F#1	1202	HHClT8-1
G 1	754	CongaT8
G#1	1203	HHOpT8-1
A 1	754	CongaT8
A#1	1204	HHOpT8-1
B 1	754	CongaT8
C 2	754	CongaT8
C#2	1257	Crash2
D 2	754	CongaT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1044	SdClRmR
D 5	1083	SdAnSmRim
D#5	742	HandClapSt
E 5	1101	SdHip3
F 5	583	ScratchSdR
F#5	588	ScrathcHip
G 5	581	ScratchBdR
G#5	585	ScratchVoR
A 5	589	ScratchHp2
A#5	591	ScratchCb2
B 5	593	ScratchCb4
C 6	836	BdHipDp

USER 4 Hip Hop6

Note	Wave No.	Wave Name
C 0	1032	SdHpStk1
C#0	551	Zap2
D 0	560	TurnTable
D#0	546	Ripper
E 0	589	ScratchHp2
F 0	1054	SnLvRolL
F#0	762	ClaveT8
G 0	1109	SdBreak2
G#0	1030	SdRkStk2L
A 0	808	BdRoom1
A#0	1101	SdHip3
B 0	815	BdT9-3
C 1	834	BdR&B1
C#1	1030	SdRkStk2L
D 1	1099	SdHip1
D#1	744	HandClapR
E 1	1100	SdHip2
F 1	754	CongaT8
F#1	1208	HHClHip
G 1	754	CongaT8
G#1	1209	HHPdlHip
A 1	754	CongaT8
A#1	1210	HHOpHip
B 1	754	CongaT8
C 2	754	CongaT8
C#2	1257	Crash2
D 2	754	CongaT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1046	SdClRim3
D 5	1082	SdAnSm
D#5	742	HandClapSt
E 5	1098	SdR&B2
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	576	ScratchHiF
A 5	577	ScratchHiR
A#5	578	ScratchLoF
B 5	579	ScratchLoR
C 6	830	BdJngl2

USER 5 T9HipKit2

Note	Wave No.	Wave Name
C 0	762	ClaveT8
C#0	1073	SdT9-5
D 0	560	TurnTable
D#0	532	Quiek
E 0	592	ScratchCb3
F 0	1054	SnLvRolL
F#0	763	AnaClick
G 0	1074	SdT9Gate
G#0	1085	SdAnCRRim
A 0	819	BdT9Hd3
A#0	1070	SdT9-2
B 0	818	BdT9Hd2
C 1	817	BdT9Hd1
C#1	1075	SdT9Rim
D 1	1069	SdT9-1
D#1	752	ClapT9
E 1	1073	SdT9-5
F 1	1246	TomT9Lo
F#1	1191	HHClT9
G 1	1246	TomT9Lo
G#1	1192	HHOpT9
A 1	1246	TomT9Lo
A#1	1192	HHOpT9
B 1	1246	TomT9Lo
C 2	1245	TomT9Hi
C#2	1274	CrashT9
D 2	1245	TomT9Hi
D#2	1277	RideT9
E 2	1274	CrashT9
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1274	CrashT9
G#2	757	CowBelAnCR
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1075	SdT9Rim
D 5	1073	SdT9-5
D#5	752	ClapT9
E 5	1072	SdT9-4
F 5	573	Scratch H
F#5	574	Scratch L
G 5	575	ScratchDwn
G#5	576	ScratchHiF
A 5	577	ScratchHiR
A#5	578	ScratchLoF
B 5	579	ScratchLoR
C 6	813	BdT9-1

USER 6 HipStick3

Note	Wave No.	Wave Name
C 0	1123	SdFMRim
C#0	555	Bomb
D 0	560	TurnTable
D#0	545	VoxDrum
E 0	580	ScratchBdF
F 0	1055	SnLvRolR
F#0	736	WoodBlock
G 0	1085	SdAnCRRim
G#0	1101	SdHip3
A 0	822	BdT8-3
A#0	1075	SdT9Rim
B 0	820	BdT8-1
C 1	814	BdT9-2
C#1	1106	SdHipRm4
D 1	1036	SdHpStk5
D#1	744	HandClapR
E 1	1037	SdHpStk6St
F 1	822	BdT8-3
F#1	1208	HHClHip
G 1	822	BdT8-3
G#1	1209	HHPdlHip
A 1	822	BdT8-3
A#1	1210	HHOpHip
B 1	822	BdT8-3
C 2	822	BdT8-3
C#2	1257	Crash2
D 2	822	BdT8-3
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1083	SdAnSmRim
D 5	1044	SdClRmR
D#5	1106	SdHipRm4
E 5	1045	SdClRim2
F 5	574	Scratch L
F#5	575	ScratchDwn
G 5	576	ScratchHiF
G#5	578	ScratchLoF
A 5	581	ScratchBdR
A#5	591	ScratchCb2
B 5	586	ScratchStp
C 6	827	BdBlip

USER 7 HipStick4

Note	Wave No.	Wave Name
C 0	1130	SdRimSE
C#0	752	ClapT9
D 0	560	TurnTable
D#0	555	Bomb
E 0	590	ScratchCmb
F 0	1056	SdRollMono
F#0	1075	SdT9Rim
G 0	1105	SdHipRm3
G#0	1088	SdJngl1
A 0	810	BdRoom3
A#0	1038	SdHpStk6L
B 0	815	BdT9-3
C 1	816	BdT9-4
C#1	1106	SdHipRm4
D 1	1040	SdHpStk7
D#1	744	HandClapR
E 1	1041	SdHipStk8
F 1	754	CongaT8
F#1	1206	HHClTek
G 1	754	CongaT8
G#1	1198	HHClAnCR
A 1	754	CongaT8
A#1	1207	HHOpTek
B 1	754	CongaT8
C 2	754	CongaT8
C#2	1257	Crash2
D 2	754	CongaT8
D#2	1260	RideR
E 2	1275	CrashT8
F 2	1277	RideT9
F#2	759	TambrnRX5
G 2	1273	SplashR
G#2	748	MamboBdy
A 2	1274	CrashT9
A#2	737	Vibraslap
B 2	1277	RideT9
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	662	CongaSlp
E 3	661	CongaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	707	ShakerHip1
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	1083	SdAnSmRim
D 5	1073	SdT9-5
D#5	1105	SdHipRm3
E 5	1043	SdClRmL
F 5	578	ScratchLoF
F#5	579	ScratchLoR
G 5	580	ScratchBdF
G#5	581	ScratchBdR
A 5	582	ScratchSdF
A#5	583	ScratchSdR
B 5	584	ScratchVoF
C 6	821	BdT8-2

USER 8 R&B Kit3

Note	Wave No.	Wave Name
C 0	610	PlayFxGt13
C#0	613	PlayFxABa3
D 0	614	PlayFxABa4
D#0	615	PlayFxABa5
E 0	651	PlyFxSl16S
F 0	621	PlyFxSlp1S
F#0	1279	HHClRL1-4
G 0	764	BdNmSt1-2
G#0	1146	HHPdlSt
A 0	860	SdNmSt1-4
A#0	1149	HHOpSt
B 0	822	BdT8-3
C 1	834	BdR&B1
C#1	1046	SdClRim3
D 1	1014	SdPcRim
D#1	742	HandClapSt
E 1	1097	SdR&B1Rm
F 1	822	BdT8-3
F#1	1195	HHClT8-2
G 1	822	BdT8-3
G#1	1193	HHClT8-1
A 1	822	BdT8-3
A#1	1196	HHOpT8-2
B 1	822	BdT8-3
C 2	1247	TomT8
C#2	1253	CrashSt
D 2	1247	TomT8
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1256	Crash
G#2	758	AnaShaker
A 2	758	AnaShaker
A#2	761	MarcsT8
B 2	761	MarcsT8
C 3	692	GanzaAc
C#3	693	GanzaBk
D 3	694	GanzaFw
D#3	695	Maracas1-2
E 3	696	MaracasSlr
F 3	698	Cabasa1-2
F#3	699	Cabasa1
G 3	700	Cabasa2
G#3	701	Caxixi1-2
A 3	758	AnaShaker
A#3	703	Caxixi2
B 3	704	Shaker1-2
C 4	705	Shaker1
C#4	707	ShakerHip1
D 4	710	ShakerHip4
D#4	762	ClaveT8
E 4	666	QuintSlp
F 4	587	ScratchSpn
F#4	577	ScratchHiR
G 4	576	ScratchHiF
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	719	PandierTip
B 4	715	TambrnHit
C 5	854	BdHardLong
C#5	1129	SdLofi
D 5	1029	SdRkStk2St
D#5	1013	SdPicol
E 5	560	TurnTable
F 5	1098	SdR&B2
F#5	1152	HHClFtSt
G 5	836	BdHipDp
G#5	1155	HHHlf2St
A 5	859	BdSlimy
A#5	1158	HHOp2St
B 5	507	TranCho
C 6	822	BdT8-3

GM Drum 1 Stereo GM

Note	Wave No.	Wave Name
C 0	735	Clave
C#0	1057	SdBrMtSt
D 0	1063	SdBrSwrSt
D#0	1060	SdBrMt2St
E 0	1066	SdBSwrAtSt
F 0	1053	SnLvRolSt
F#0	734	Castanet
G 0	866	SdNm1St
G#0	732	Stick
A 0	773	BdFkSt1-2
A#0	900	SdBsSt2-3
B 0	782	BdHiSt
C 1	764	BdNmSt1-2
C#1	1042	SdClRmSt
D 1	860	SdNmSt1-4
D#1	752	ClapT9
E 1	899	SdBsSt1-2
F 1	1227	TomFlSt
F#1	1131	HHClSt1-4
G 1	1224	TomLoSt
G#1	1146	HHPdlSt
A 1	1224	TomLoSt
A#1	1149	HHOpSt
B 1	1221	TomMdSt
C 2	1221	TomMdSt
C#2	1253	CrashSt
D 2	1218	TomHiSt
D#2	1258	RideSt
E 2	1267	ChinaSt
F 2	1261	CupSt
F#2	714	TambrnSw
G 2	1271	SplashSt
G#2	746	Cowbell2
A 2	1305	CrashRL
A#2	737	Vibraslap
B 2	1306	RideRL
C 3	675	BongoHi1-2
C#3	679	BongoLo1-3
D 3	663	CongaTip
D#3	661	CongaOp
E 3	669	TumbaOp
F 3	683	TmbaleH1-3
F#3	687	TmbaleL1-3
G 3	724	AgogoHi
G#3	725	AgogoLo
A 3	698	Cabasa1-2
A#3	696	MaracasSlr
B 3	738	Whistle
C 4	738	Whistle
C#4	728	GuiroShort
D 4	727	GuiroLong
D#4	735	Clave
E 4	736	WoodBlock
F 4	736	WoodBlock
F#4	674	CuicaHi
G 4	673	CuicaLo
G#4	741	TriangleMt
A 4	740	TriangleOp
A#4	704	Shaker1-2
B 4	750	SleighBel
C 5	751	BellTree
C#5	940	SdBlL1-3
D 5	963	SdLdwSt1-4
D#5	956	SdBhR1-3
E 5	983	SdHipSt1-2
F 5	785	BdLoSt
F#5	1021	SdLdwHMono
G 5	834	BdR&B1
G#5	1024	SdHeavy
A 5	808	BdRoom1
A#5	1018	SdAmb
B 5	794	BdFkSonSt
C 6	809	BdRoom2

Wave List

No.	Category	Wave Name	No.	Category	Wave Name	No.	Category	Wave Name	No.	Category	Wave Name	No.	Category	Wave Name	No.	Category	Wave Name	No.	Category	Wave Name
1	Ap	Piano1 St	101	Or	Jazz	201	Ba	PrecRW	301	Br	F.Horn	401	Wv	VPStrngSt	501	Me	OrchHit	601	Se	PlayFxGt4
2	Ap	Piano1 L	102	Or	Jazz+	202	Ba	PrecRW+	302	Br	F.Horn+	402	Wv	VPStrngL	502	Me	VoxBell	602	Se	PlayFxGt5
3	Ap	Piano1 R	103	Or	Jazz-	203	Ba	PrecRW-	303	Br	F.Horn-	403	Wv	VPStrngR	503	Me	Melow	603	Se	PlayFxGt6
4	Ap	Piano1Mono	104	Or	Full	204	Ba	PrecFW	304	Br	Tuba	404	Wv	OBStrings	504	Me	WindChime	604	Se	PlayFxGt7
5	Ap	Piano1 St+	105	Or	Full+	205	Ba	PrecFW+	305	Br	Combi1	405	Wv	SyzleStrng	505	Me	BellAir	605	Se	PlayFxGt8
6	Ap	Piano1 L+	106	Or	Full-	206	Ba	PrecFW-	306	Br	Combi2	406	Wv	Padd	506	Me	BigSyn	606	Se	PlayFxGt9
7	Ap	Piano1 R+	107	Or	Swish	207	Ba	FingerWW	307	Br	Combi3	407	Wv	Darklight	507	Me	TranCho	607	Se	PlayFxGt10
8	Ap	Piano1 St-	108	Or	Swish-	208	Ba	FingerWW+	308	Br	Combi4	408	Wv	OBBrass	508	Me	StabOrgLP	608	Se	PlayFxGt11
9	Ap	Piano1 L-	109	Or	Compact	209	Ba	FingerWW-	309	Rd	SopranoSax	409	Wv	Sync	509	Me	Eery	609	Se	PlayFxGt12
10	Ap	Piano1 R-	110	Or	Compact-	210	Ba	SlapThmbmf	310	Rd	SopranSax+	410	Wv	SyncLd	510	Me	Electer	610	Se	PlayFxGt13
11	Ap	Piano2 St	111	Or	Portable	211	Ba	SlapThmbff	311	Rd	SopranSax-	411	Wv	PWMfast	511	Me	HH Hit	611	Se	PlayFxABa1
12	Ap	Piano2 L	112	Or	Portable-	212	Ba	SlapPull	312	Rd	AltoSaxVb	412	Wv	PWMslow	512	Me	VoxAlk	612	Se	PlayFxABa2
13	Ap	Piano2 R	113	Or	BowNv	213	Ba	SlapHarm	313	Rd	AltoSaxNv	413	Wv	CS80Brass	513	Me	HiLo	613	Se	PlayFxABa3
14	Ap	Piano2Mono	114	Or	BowVb	214	Ba	SlapFxSoft	314	Rd	AltoSaxNv+	414	Wv	P5Saw	514	Me	MultiPiano	614	Se	PlayFxABa4
15	Ap	Piano2 St+	115	Or	Gospel	215	Ba	SlapFxHard	315	Rd	AltoSaxNv-	415	Wv	OBSaw	515	Me	AirHoseSt	615	Se	PlayFxABa5
16	Ap	Piano2 L+	116	Or	Soul	216	Ba	Thmb&Fx-mf	316	Rd	TenorSax	416	Wv	Saw2	516	Me	AirHoseL	616	Se	PlayFxABa6
17	Ap	Piano2 R+	117	Or	1stFour	217	Ba	Thmb&Fx-ff	317	Rd	TenorSax+	417	Wv	3o3Saw	517	Me	AirHoseR	617	Se	PlayFxABa7
18	Ap	Piano2 St-	118	Or	Draw 16'	218	Ba	Pull&Fx	318	Rd	TenorSax-	418	Wv	3o3Saw2	518	Me	Bubble	618	Se	PlayFxABa8
19	Ap	Piano2 L-	119	Or	Draw 5 1/3	219	Ba	Fretless	319	Rd	BaritonSax	419	Wv	3o3Squ	519	Me	Swarm	619	Se	PlayFxABa9
20	Ap	Piano2 R-	120	Or	Draw 8'	220	Ba	Fretless+	320	Rd	Clarinet	420	Wv	1o1Saw	520	Me	Mother	620	Se	PlyFxABa10
21	Ap	Brite Pno	121	Or	Draw 4'	221	Ba	Fretless-	321	Rd	Oboe	421	Wv	1o1Sub	521	Me	Lektronica	621	Se	PlyFxSlp1S
22	Ap	Brite Pno-	122	Or	Draw 2 2/3	222	St	ViolinVb	322	Rd	EnglishHrn	422	Wv	SawSqu	522	Me	SpaceScrem	622	Se	PlyFxSlp1H
23	Ap	CP80	123	Or	Draw 2'	223	St	ViolinVb+	323	Rd	Basoon	423	Wv	SquSaw	523	Me	Resonator	623	Se	PlyFxSlp2S
24	Ap	CP80+	124	Or	Draw 1 3/5	224	St	ViolinVb-	324	Rd	Bagpipe1	424	Wv	MgRamp	524	Me	RadioNz	624	Se	PlyFxSlp2H
25	Ap	CP80-	125	Or	Draw 1 1/3	225	St	ViolinSpc	325	Rd	Bagpipe2	425	Wv	MgBass1	525	Me	OohFB	625	Se	PlyFxSlp3S
26	Ep	EP1 Soft	126	Or	Draw 1'	226	St	ViolinSpc+	326	Rd	SaxBreath	426	Wv	MgBass2	526	Me	Fairwave	626	Se	PlyFxSlp3H
27	Ep	EP1 Soft+	127	Or	Draw 1+3	227	St	ViolinSpc-	327	Rd	Harmonica	427	Wv	MgBass3	527	Me	Hoo	627	Se	PlyFxSlp4S
28	Ep	EP1 Soft-	128	Or	Draw 1+3+	228	St	ViolaVb	328	Pi	FluteVb	428	Wv	ModBass	528	Me	Mind Bell	628	Se	PlyFxSlp4H
29	Ep	EP1 Med	129	Or	Draw 1+3-	229	St	ViolaVb+	329	Pi	FluteVbAtk	429	Wv	AnaBass1	529	Me	Loop145	629	Se	PlyFxSlp5S
30	Ep	EP1 Med+	130	Or	Draw 2+4	230	St	ViolaVb-	330	Pi	Flute	430	Wv	AnaBass2	530	Me	X-Fade	630	Se	PlyFxSlp5H
31	Ep	EP1 Med-	131	Or	Draw 2+4+	231	St	ViolaSpc	331	Pi	Flute+	431	Wv	UniBass	531	Me	ResoXFade	631	Se	PlyFxSlp6S
32	Ep	EP1 Hard	132	Or	Draw 2+4-	232	St	ViolaSpc+	332	Pi	Flute-	432	Wv	AnaBass3	532	Me	Quiek	632	Se	PlyFxSlp6H
33	Ep	EP1 Hard+	133	Or	Draw Even	233	St	ViolaSpc-	333	Pi	PanFlute	433	Wv	AnaBass4	533	Me	LfoSeq	633	Se	PlyFxSlp7S
34	Ep	EP1 Hard-	134	Or	Draw Even+	234	St	CelloVb	334	Pi	PanFlute-	434	Wv	AnaBass5	534	Me	Sonar1	634	Se	PlyFxSlp7H
35	Ep	EP2 Soft1	135	Or	Draw Even-	235	St	CelloVb+	335	Pi	Shakuhachi	435	Wv	AnaBass6	535	Me	Sonar2	635	Se	PlyFxSlp8S
36	Ep	EP2 Soft1+	136	Or	Draw Odd	236	St	CelloVb-	336	Pi	Recorder	436	Wv	T8KickBass	536	Me	HitOrch1	636	Se	PlyFxSlp8H
37	Ep	EP2 Soft1-	137	Or	Draw Odd+	237	St	CelloSpc	337	Pi	Bottle	437	Wv	FMBass1	537	Me	HitBrass	637	Se	PlyFxSlp9S
38	Ep	EP2 Soft2	138	Or	Draw Odd-	238	St	CelloSpc+	338	Pi	Ocarina	438	Wv	FMBass2	538	Me	StabOrch	638	Se	PlyFxSlp9H
39	Ep	EP2 Soft2+	139	Or	Perc	239	St	CelloSpc-	339	Pi	Whistle	439	Wv	FMBass3	539	Me	StabGiant	639	Se	PlyFxSl10S
40	Ep	EP2 Soft2-	140	Or	Perc+	240	St	SoloVbCmb	340	Pi	BreathO.S.	440	Wv	FMBass4	540	Me	StabHard	640	Se	PlyFxSl10H
41	Ep	EP2 Hard1	141	Or	Perc-	241	St	SoloVbCmb+	341	Cp	SteelDrum	441	Wv	FMBass5	541	Me	StabOrgan2	641	Se	PlyFxSl11S
42	Ep	EP2 Hard1+	142	Or	Rotar	242	St	SoloVbCmb-	342	Gt	Sitar	442	Wv	FMBass6	542	Me	StabAah	642	Se	PlyFxSl11H
43	Ep	EP2 Hard1-	143	Or	Clack	243	St	SoloSpcCmb	343	Gt	SitarWv1	443	Wv	FMSquare	543	Me	Hit Uhh	643	Se	PlyFxSl12S
44	Ep	EP2 Hard2	144	Or	RotarWhstl	244	St	SoloSpCmb+	344	Gt	SitarWv2	444	Wv	FMShaper	544	Me	HitOrch2	644	Se	PlyFxSl12H
45	Ep	EP2 Hard2+	145	Or	RotarGrit	245	St	SoloSpCmb-	345	Gt	SitarWv3	445	Wv	FMMetal1	545	Me	VoxDrum	645	Se	PlyFxSl13S
46	Ep	EP2 Hard2-	146	Or	RotarGrit2	246	St	ContraBass	346	Gt	SitarWv4	446	Wv	FMMetal2	546	Se	Ripper	646	Se	PlyFxSl13H
47	Ep	EP3 Soft1	147	Or	SftTmp	247	St	EnsMix	347	Gt	SitarWv5	447	Wv	FMOrgan1	547	Se	Glass	647	Se	PlyFxSl14S
48	Ep	EP3 Soft1+	148	Or	Pipe1St	248	St	EnsMixSt	348	Gt	SitarWv6	448	Wv	FMOrgan2	548	Se	IndusTom	648	Se	PlyFxSl14H
49	Ep	EP3 Soft1-	149	Or	Pipe1L	249	St	EnsMixL	349	Gt	Tambura	449	Wv	FMOrgan3	549	Se	NzBurst	649	Se	PlyFxSl15S
50	Ep	EP3 Soft2	150	Or	Pipe1R	250	St	EnsMixR	350	Gt	TamburaWv1	450	Wv	FMOrgan4	550	Se	Zap1	650	Se	PlyFxSl15H
51	Ep	EP3 Soft2+	151	Or	Pipe2	251	St	EnsMute	351	Gt	TamburaWv2	451	Wv	FMFunk	551	Se	Zap2	651	Se	PlyFxSl16S
52	Ep	EP3 Soft2-	152	Or	Pipe3St	252	St	EnsMute-	352	Gt	TamburaWv3	452	Wv	FMGuitar	552	Se	HiQ1	652	Se	PlyFxSl16H
53	Ep	EP3 Hard1	153	Or	Pipe3L	253	St	EnsMuteSt	353	Cp	HmDulcimar	453	Wv	FSBuzz	553	Se	HiQ2	653	Se	PlyFxSl17S
54	Ep	EP3 Hard1+	154	Or	Pipe3R	254	St	HardEnsSt	354	Gt	Shamisen	454	Wv	WetPluck	554	Se	VoxHitRev	654	Se	PlyFxSl17H
55	Ep	EP3 Hard1-	155	Or	Pipe4	255	St	HardEnsSt+	355	Gt	Koto	455	Wv	Lately-S	555	Se	Bomb	655	Se	PlyFxSl18S
56	Ep	EP3 Hard2	156	Or	Pipe5	256	St	HardEnsSt-	356	Cp	Kalimba	456	Wv	Lately-L	556	Se	TapeRewnd	656	Se	PlyFxSl18H
57	Ep	EP3 Hard2+	157	Or	Pipe6	257	St	HardEnsL	357	Cp	Gamelan1	457	Wv	P10-1	557	Se	FxGun2	657	Se	PlyFxSl19S
58	Ep	EP3 Hard2-	158	Or	Pipe7	258	St	HardEnsL+	358	Cp	Gamelan2	458	Wv	P10-2	558	Se	FxGun1	658	Se	PlyFxSl19H
59	Ep	Wurli	159	Or	Accordion	259	St	HardEnsL-	359	Pi	Didgerido1	459	Wv	P10-3	559	Se	Thunder	659	Se	PlyFxSl20S
60	Ep	Wurli+	160	Or	TangoAcd	260	St	HardEnsR	360	Pi	Didgerido2	460	Wv	P25-1	560	Se	TurnTable	660	Se	PlyFxSl20H
61	Ep	Wurli-	161	Gt	Nylon	261	St	HardEnsR+	361	Pi	Didgerido3	461	Wv	P25-2	561	Se	Police	661	Pc	CongaOp
62	Ep	DX1	162	Gt	Nylon Hi	262	St	HardEnsR-	362	Pi	DidgCmb1	462	Wv	P50-1	562	Se	DoorSqk	662	Pc	CongaSlp
63	Ep	DX2	163	Gt	NylonHarm	263	St	EnsMxLPSt	363	Pi	DidgCmb2	463	Wv	P50-2	563	Se	Heartbeat	663	Pc	CongaTip
64	Ep	DX3	164	Gt	Steel Gtr1	264	St	EnsMxLP L	364	Pi	Sho	464	Wv	TriWv	564	Se	Helicopter	664	Pc	CongaHeel
65	Ep	DX4	165	Gt	SteelGtrHi	265	St	EnsMxLP R	365	Pc	Log1	465	Wv	Digi01	565	Se	Seashore	665	Pc	QuintOp
66	Ep	DX5	166	Gt	SteelGtrLo	266	St	EnsMuteLP	366	Pc	Log2	466	Wv	Digi02	566	Se	Telephone	666	Pc	QuintSlp
67	Kb	Clav1	167	Gt	SteelHarm	267	St	EnsMuteLP-	367	Pc	Wataiko	467	Wv	Digi03	567	Se	TelRing	667	Pc	QuintTip
68	Kb	Clav1+	168	Gt	Steel Gtr2	268	St	EnsMutLPSt	368	Pc	DjembeEd	468	Wv	Digi04	568	Se	Bird	668	Pc	QuintHeel
69	Kb	Clav1-	169	Gt	SteelGt2St	269	St	HrdEnsLPSt	369	Pc	DjembeMt	469	Wv	Digi05	569	Se	Stream	669	Pc	TumbaOp
70	Kb	Clav2	170	Gt	SteelGt2Hi	270	St	HrdEnsLP L	370	Pc	DjembeOp	470	Wv	Digi06	570	Se	Gunshot	670	Pc	TumbaSlp
71	Kb	Clav2+	171	Gt	SteelGtr2-	271	St	HrdEnsLP R	371	Pc	DjembeCmb	471	Wv	Digi07	571	Se	Applause	671	Pc	TumbaTip
72	Kb	Clav2-	172	Gt	Jazz Gtr	272	St	Pizzicato	372	Pc	TabraBya	472	Wv	Digi08	572	Se	RainLoop	672	Pc	TumbaHeel
73	Kb	Clav3	173	Gt	VintAmpA	273	St	PopPizz	373	Pc	TabraNah	473	Wv	Digi09	573	Se	Scratch H	673	Pc	CuicaLo
74	Kb	Clav3+	174	Gt	VintAmpB	274	St	Harp	374	Pc	TablaMut	474	Wv	Digi10	574	Se	Scratch L	674	Pc	CuicaHi
75	Kb	Clav3-	175	Gt	Strat	275	Br	BrsSctSt	375	Pc	TabraCmb	475	Wv	Digi11	575	Se	ScratchDwn	675	Pc	BongoHi1-2
76	Kb	Harpsicord	176	Gt	StratN	276	Br	BrsSctSt+	376	Pc	UdoFinger	476	Wv	Digi12	576	Se	ScratchHiF	676	Pc	BongoHi1
77	Cp	Celeste	177	Gt	StratF	277	Br	BrsSctSt-	377	Pc	Udo Hi	477	Wv	Bel1Wv	577	Se	ScratchHiR	677	Pc	BongoHi2
78	Cp	Vibraphone	178	Gt	StratSl	278	Br	BrsSctL	378	Pc	Udo Low	478	Wv	Bel2Wv	578	Se	ScratchLoF	678	Pc	BongoHHeel
79	Cp	Mairmba	179	Gt	StratSp	279	Br	BrsSctL+	379	Pc	UduCombi	479	Wv	DigiVox1	579	Se	ScratchLoR	679	Pc	BongoLo1-3
80	Cp	Glocken	180	Gt	StratMute	280	Br	BrsSctL-	380	Vo	Aahs St	480	Wv	DigiVox2	580	Se	ScratchBdF	680	Pc	BongoLo1
81	Cp	Xylophone	181	Gt	StratHarm	281	Br	BrsSctR	381	Vo	Aahs L	481	Wv	DigiVox3	581	Se	ScratchBdR	681	Pc	BongoLo2
82	Cp	Tubular	182	Gt	Front	282	Br	BrsSctR+	382	Vo	Aahs R	482	Wv	DigiVox4	582	Se	ScratchSdF	682	Pc	BongoLo3
83	Cp	Bell	183	Gt	Dist Gtr 1	283	Br	BrsSctR-	383	Vo	Ooh St	483	Wv	DigiVox5	583	Se	ScratchSdR	683	Pc	TmbaleH1-3
84	Cp	BellSt1	184	Gt	Dist2	284	Br	Trumpet	384	Vo	Ooh L	484	Wv	VoxG2	584	Se	ScratchVoF	684	Pc	TimbaleHi1
85	Cp	BellSt2	185	Gt	DistMt	285	Br	Trumpet+	385	Vo	Ooh R	485	Wv	VoxE3	585	Se	ScratchVoR	685	Pc	TimbaleHi2
86	Cp	BrBell	186	Gt	Feedback	286	Br	Trumpet-	386	Vo	ChoBreathL	486	Wv	EP Wave 1	586	Se	ScratchStp	686	Pc	TimbaleHi3
87	Cp	SmBell	187	Gt	PwrChrdSt	287	Br	Trumpet2	387	Vo	ChoBreathR	487	Wv	EP Wave 2	587	Se	ScratchSpn	687	Pc	TmbaleL1-3
88	Cp	Hibasi	188	Gt	PwrChdMono	288	Br	Trumpet2+	388	Vo	ChoAahLPSt	488	Wv	EP Wave 3	588	Se	ScratchHip	688	Pc	TimbaleLo1
89	Cp	FingerCym	189	Gt	PlayFx	289	Br	Trumpet2-	389	Vo	ChoAahLPL	489	Wv	EP Wave 4	589	Se	ScratchHp2	689	Pc	TimbaleLo2
90	Cp	StoneH	190	Gt	PChdSt&Fx	290	Br	Trombone	390	Vo	ChoAahLPR	490	Wv	EP Wave 5	590	Se	ScratchCmb	690	Pc	TmblPailaH
91	Cp	StoneS	191	Gt	PChd&Fx	291	Br	Trombone-	391	Vo	ChoOohLPSt	491	Wv	EP Wave 6	591	Se	ScratchCb2	691	Pc	TmblPailaL
92	Cp	Timpani	192	Gt	Banjo	292	Br	Trombone2	392	Vo	ChoOohLPL	492	Wv	Org Wave1	592	Se	ScratchCb3	692	Pc	GanzaAc
93	Or	RockVb	193	Ba	A Bass	293	Br	SiftTrb	393	Vo	ChoOohLPR	493	Wv	Org Wave2	593	Se	ScratchCb4	693	Pc	GanzaBk
94	Or	RockPc	194	Ba	A Bass+	294	Br	SoftFlugel	394	Vo	SynVox	494	Wv	Org Wave3	594	Se	PickNoise1	694	Pc	GanzaFw
95	Or	Click	195	Ba	A Bass-	295	Br	SoftFlugl-	395	Vo	VoxNoiz	495	Wv	Sine	595	Se	PickNoise2	695	Pc	Maracas1-2
96	Or	Rock2	196	Ba	A Bass FX	296	Br	TrmptMute	396	Vo	Itopia	496	Wv	Noise	596	Se	PickNoise3	696	Pc	MaracasSlr
97	Or	Rock2+	197	Ba	PickBass	297	Br	TrmptMute2	397	Wv	ModSaw	497	Wv	Mallet	597	Se	FretNoise	697	Pc	MaracasStc
98	Or	Rock2-	198	Ba	FingerMM	298	Br	TrumptMed	398	Wv	FatSaw	498	Wv	PnoNP	598	Se	PlayFxGt1	698	Pc	Cabasa1-2
99	Or	JazzPrc	199	Ba	FingerMM+	299	Br	TrumptSoft	399	Wv	FatSaw-	499	Wv	EPNP	599	Se	PlayFxGt2	699	Pc	Cabasa1
100	Or	JazzPrc-	200	Ba	FingerMM-	300	Br	PicolTrmpt	400	Wv	OBModSaw	500	Wv	VibeNP	600	Se	PlayFxGt3	700	Pc	Cabasa2

No.	Category	Wave Name
701	Pc	Caxixi1-2
702	Pc	Caxixi1
703	Pc	Caxixi2
704	Pc	Shaker1-2
705	Pc	Shaker1
706	Pc	Shaker2
707	Pc	ShakerHip1
708	Pc	ShakerHip2
709	Pc	ShakerHip3
710	Pc	ShakerHip4
711	Pc	ShekereDw
712	Pc	ShekereUp
713	Pc	ShekereSap
714	Pc	TambrnSw
715	Pc	TambrnHit
716	Pc	TambrnShk
717	Pc	PandieroOp
718	Pc	PandierThm
719	Pc	PandierTip
720	Pc	PandroHeel
721	Pc	TmbourimOp
722	Pc	TmbourmFng
723	Pc	TmbourimMt
724	Pc	AgogoHi
725	Pc	AgogoLo
726	Pc	AgogoLoTap
727	Pc	GuiroLong
728	Pc	GuiroShort
729	Pc	GuiroSwp
730	Pc	SurdoOp
731	Pc	SurdoMt
732	Pc	Stick
733	Dr	Stick2
734	Pc	Castanet
735	Pc	Clave
736	Pc	WoodBlock
737	Pc	Vibraslap
738	Pc	Whistle
739	Pc	TriangleSw
740	Pc	TriangleOp
741	Pc	TriangleMt
742	Pc	HandClapSt
743	Pc	HandClapL
744	Pc	HandClapR
745	Pc	Cowbel1
746	Pc	Cowbell2
747	Pc	MamboBel
748	Pc	MamboBdy
749	Pc	ChaCha
750	Pc	SleighBel
751	Pc	BellTree
752	Pc	ClapT9
753	Pc	ClapAnSm
754	Pc	CongaT8
755	Pc	CowBelT8
756	Pc	CowBelRX11
757	Pc	CowBelAnCR
758	Pc	AnaShaker
759	Pc	TambrnRX5
760	Pc	TambrnAnCR
761	Pc	MarcsT8
762	Pc	ClaveT8
763	Pc	AnaClick
764	Dr	BdNmSt1-2
765	Dr	BdNm1St
766	Dr	BdNm2St
767	Dr	BdNmL1-2
768	Dr	BdNmR1-2
769	Dr	BdNm1L
770	Dr	BdNm1R
771	Dr	BdNm2L
772	Dr	BdNm2R
773	Dr	BdFkSt1-2
774	Dr	BdFk1St
775	Dr	BdFk2St
776	Dr	BdFkL1-2
777	Dr	BdFkR1-2
778	Dr	BdFkML
779	Dr	BdFkMR
780	Dr	BdFkHL
781	Dr	BdFkHR
782	Dr	BdHiSt
783	Dr	BdHiL
784	Dr	BdHiR
785	Dr	BdLoSt
786	Dr	BdLoL
787	Dr	BdLoR
788	Dr	BdHSonSt
789	Dr	BdHSonL
790	Dr	BdHSonR
791	Dr	BdLSonSt
792	Dr	BdLSonL
793	Dr	BdLSonR
794	Dr	BdFkSonSt
795	Dr	BdFkSonL
796	Dr	BdFkSonR
797	Dr	BdRk1St
798	Dr	BdRk1L
799	Dr	BdRk1R
800	Dr	BdRk2St

No.	Category	Wave Name
801	Dr	BdRk2L
802	Dr	BdRk2R
803	Dr	BdDry1
804	Dr	BdDry2
805	Dr	BdPop
806	Dr	BdVar1
807	Dr	BdVar2
808	Dr	BdRoom1
809	Dr	BdRoom2
810	Dr	BdRoom3
811	Dr	BdGate
812	Dr	BdFXGate
813	Dr	BdT9-1
814	Dr	BdT9-2
815	Dr	BdT9-3
816	Dr	BdT9-4
817	Dr	BdT9Hd1
818	Dr	BdT9Hd2
819	Dr	BdT9Hd3
820	Dr	BdT8-1
821	Dr	BdT8-2
822	Dr	BdT8-3
823	Dr	BdAnSm
824	Dr	BdAnCR
825	Dr	BdHuman1
826	Dr	BdHuman2
827	Dr	BdBlip
828	Dr	BdBlpHd
829	Dr	BdJngl1
830	Dr	BdJngl2
831	Dr	BdJngl3
832	Dr	BdD&B1
833	Dr	BdD&B2
834	Dr	BdR&B1
835	Dr	BdR&B2
836	Dr	BdHipDp
837	Dr	BdBrkDp
838	Dr	BdBreak1
839	Dr	BdBreak2
840	Dr	BdBreakHvy
841	Dr	BdBreakHrd
842	Dr	BdDist1
843	Dr	BdDist2
844	Dr	BdDist3
845	Dr	BdDist4
846	Dr	BdDist5
847	Dr	BdDistRM
848	Dr	Bd+HH
849	Dr	BdFxHmr
850	Dr	BdZapHrd
851	Dr	BdZapMid
852	Dr	BdSus
853	Dr	BdTekPower
854	Dr	BdHardLong
855	Dr	BdATite
856	Dr	BdAnHard
857	Dr	BdLofi
858	Dr	BdThkSkn
859	Dr	BdSlimy
860	Dr	SdNmSt1-4
861	Dr	SdNmSt1-3
862	Dr	SdNmSt2-4
863	Dr	SdNmSt1-2
864	Dr	SdNmSt2-3
865	Dr	SdNmSt3-4
866	Dr	SdNm1St
867	Dr	SdNm2St
868	Dr	SdNm3St
869	Dr	SdNm4St
870	Dr	SdNmL1-4
871	Dr	SdNmR1-4
872	Dr	SdNm1L
873	Dr	SdNm1R
874	Dr	SdNm2L
875	Dr	SdNm2R
876	Dr	SdNm3L
877	Dr	SdNm3R
878	Dr	SdNm4L
879	Dr	SdNm4R
880	Dr	SdFkSt1-3
881	Dr	SdFkSt1-2
882	Dr	SdFkSt2-3
883	Dr	SdFkSt1/3
884	Dr	SdFk1St
885	Dr	SdFk2St
886	Dr	SdFk3St
887	Dr	SdFkL1-3
888	Dr	SdFkR1-3
889	Dr	SdFk1L
890	Dr	SdFk1R
891	Dr	SdFk2L
892	Dr	SdFk2R
893	Dr	SdFk3L
894	Dr	SdFk3R
895	Dr	SdFkAySt
896	Dr	SdFkAyL
897	Dr	SdFkAyR
898	Dr	SdBsSt1-3
899	Dr	SdBsSt1-2
900	Dr	SdBsSt2-3

No.	Category	Wave Name
901	Dr	SdBsSt1/3
902	Dr	SdBs1St
903	Dr	SdBs2St
904	Dr	SdBs3St
905	Dr	SdBsL1-3
906	Dr	SdBsR1-3
907	Dr	SdBs1L
908	Dr	SdBs1R
909	Dr	SdBs2L
910	Dr	SdBs2R
911	Dr	SdBs3L
912	Dr	SdBs3R
913	Dr	SdSonSt1-4
914	Dr	SdSonSt1-3
915	Dr	SdSonSt2-4
916	Dr	SdSonSt1-2
917	Dr	SdSonSt2-3
918	Dr	SdSonSt3-4
919	Dr	SdSon1St
920	Dr	SdSon2St
921	Dr	SdSon3St
922	Dr	SdSon4St
923	Dr	SdSonL1-4
924	Dr	SdSonR1-4
925	Dr	SdSon1L
926	Dr	SdSon1R
927	Dr	SdSon2L
928	Dr	SdSon2R
929	Dr	SdSon3L
930	Dr	SdSon3R
931	Dr	SdSon4L
932	Dr	SdSon4R
933	Dr	SdBlSt1-3
934	Dr	SdBlSt1-2
935	Dr	SdBlSt2-3
936	Dr	SdBlSt1/3
937	Dr	SdBl1St
938	Dr	SdBl2St
939	Dr	SdBl3St
940	Dr	SdBlL1-3
941	Dr	SdBlR1-3
942	Dr	SdBl1L
943	Dr	SdBl1R
944	Dr	SdBl2L
945	Dr	SdBl2R
946	Dr	SdBl3L
947	Dr	SdBl3R
948	Dr	SdBhSt1-3
949	Dr	SdBhSt1-2
950	Dr	SdBhSt2-3
951	Dr	SdBhSt1/3
952	Dr	SdBh1St
953	Dr	SdBh2St
954	Dr	SdBh3St
955	Dr	SdBhL1-3
956	Dr	SdBhR1-3
957	Dr	SdBh1L
958	Dr	SdBh1R
959	Dr	SdBh2L
960	Dr	SdBh2R
961	Dr	SdBh3L
962	Dr	SdBh3R
963	Dr	SdLdwSt1-4
964	Dr	SdLdwSt1-3
965	Dr	SdLdwSt2-4
966	Dr	SdLdwSt1-2
967	Dr	SdLdwSt2-3
968	Dr	SdLdwSt3-4
969	Dr	SdLdw1St
970	Dr	SdLdw2St
971	Dr	SdLdw3St
972	Dr	SdLdw4St
973	Dr	SdLdwL1-4
974	Dr	SdLdwR1-4
975	Dr	SdLdw1L
976	Dr	SdLdw1R
977	Dr	SdLdw2L
978	Dr	SdLdw2R
979	Dr	SdLdw3L
980	Dr	SdLdw3R
981	Dr	SdLdw4L
982	Dr	SdLdw4R
983	Dr	SdHipSt1-2
984	Dr	SdHip1St
985	Dr	SdHip2St
986	Dr	SdHipL1-2
987	Dr	SdHipR1-2
988	Dr	SdHip1L
989	Dr	SdHip1R
990	Dr	SdHip2L
991	Dr	SdHip2R
992	Dr	SdRkOp1St
993	Dr	SdRkOp1L
994	Dr	SdRkOp1R
995	Dr	SdRkMte1St
996	Dr	SdRkMte1L
997	Dr	SdRkMte2R
998	Dr	SdRkRim1St
999	Dr	SnRkRim1L
1000	Dr	SdRkRim1R

No.	Category	Wave Name
1001	Dr	SdRkOp2St
1002	Dr	SdRkOp2L
1003	Dr	SdRkOp2R
1004	Dr	SdRkMte2St
1005	Dr	SdRkMte2L
1006	Dr	SdRkMte2R
1007	Dr	SdRkRim2St
1008	Dr	SdRkRim2L
1009	Dr	SdRkRim2R
1010	Dr	SdRkFlmSt
1011	Dr	SdRkFlmL
1012	Dr	SdRkFlmR
1013	Dr	SdPicol
1014	Dr	SdPcRim
1015	Dr	SdPcRim2
1016	Dr	SdMid
1017	Dr	SdMdRim
1018	Dr	SdAmb
1019	Dr	SdGate1
1020	Dr	SdGate2
1021	Dr	SdLdwHMono
1022	Dr	SdBrRim
1023	Dr	SdDry
1024	Dr	SdHeavy
1025	Dr	SdGM
1026	Dr	SdRkStk1St
1027	Dr	SdRkStk1L
1028	Dr	SnRkStk1R
1029	Dr	SdRkStk2St
1030	Dr	SdRkStk2L
1031	Dr	SdRkStk2R
1032	Dr	SdHpStk1
1033	Dr	SdHpStk2
1034	Dr	SdHpStk3
1035	Dr	SdHpStk4
1036	Dr	SdHpStk5
1037	Dr	SdHpStk6St
1038	Dr	SdHpStk6L
1039	Dr	SdHpStk6R
1040	Dr	SdHpStk7
1041	Dr	SdHipStk8
1042	Dr	SdClRmSt
1043	Dr	SdClRmL
1044	Dr	SdClRmR
1045	Dr	SdClRim2
1046	Dr	SdClRim3
1047	Dr	SdRkRolSt
1048	Dr	SdRkRolL
1049	Dr	SdRkRolR
1050	Dr	SdRkRolDSt
1051	Dr	SdRkRolDL
1052	Dr	SdRkRolDR
1053	Dr	SnLvRolSt
1054	Dr	SnLvRolL
1055	Dr	SnLvRolR
1056	Dr	SdRollMono
1057	Dr	SdBrMtSt
1058	Dr	SdBrMtL
1059	Dr	SdBrMtR
1060	Dr	SdBrMt2St
1061	Dr	SdBrMt2L
1062	Dr	SdBrMt2R
1063	Dr	SdBrSwrSt
1064	Dr	SdBrSwrL
1065	Dr	SdBrSwrR
1066	Dr	SdBSwrAtSt
1067	Dr	SdBrSwrAtL
1068	Dr	SdBrSwrAtR
1069	Dr	SdT9-1
1070	Dr	SdT9-2
1071	Dr	SdT9-3
1072	Dr	SdT9-4
1073	Dr	SdT9-5
1074	Dr	SdT9Gate
1075	Dr	SdT9Rim
1076	Dr	SdT8-1
1077	Dr	SdT8-2
1078	Dr	SdT8-3
1079	Dr	SdT8-4
1080	Dr	SdT8-5
1081	Dr	SdT8Rim
1082	Dr	SdAnSm
1083	Dr	SdAnSmRim
1084	Dr	SdAnCR
1085	Dr	SdAnCRRim
1086	Dr	SdHuman1
1087	Dr	SdHuman2
1088	Dr	SdJngl1
1089	Dr	SdJngl2
1090	Dr	SdJngl3
1091	Dr	SdJnglFx
1092	Dr	SdD&B1
1093	Dr	SdD&B2
1094	Dr	SdD&B3
1095	Dr	SdD&B4
1096	Dr	SdR&B1
1097	Dr	SdR&B1Rm
1098	Dr	SdR&B2
1099	Dr	SdHip1
1100	Dr	SdHip2

No.	Category	Wave Name
1101	Dr	SdHip3
1102	Dr	SdHipGate
1103	Dr	SdHipRm1
1104	Dr	SdHipRm2
1105	Dr	SdHipRm3
1106	Dr	SdHipRm4
1107	Dr	SdHipRm5
1108	Dr	SdBreak1
1109	Dr	SdBreak2
1110	Dr	SdBreak3
1111	Dr	SdBreakHvy
1112	Dr	SdBreakRol
1113	Dr	SdFx1
1114	Dr	SdFx2
1115	Dr	SdFx3
1116	Dr	SdFx4
1117	Dr	SdClpAna
1118	Dr	SdDist
1119	Dr	SdCut
1120	Dr	SdDodgH
1121	Dr	SdDodgL
1122	Dr	SdFM
1123	Dr	SdFMRim
1124	Dr	SdSyn
1125	Dr	SdClappy
1126	Dr	SdTimber
1127	Dr	SdWood
1128	Dr	SdHammer
1129	Dr	SdLofi
1130	Dr	SdRimSE
1131	Dr	HHClSt1-4
1132	Dr	HHCl1St
1133	Dr	HHCl2St
1134	Dr	HHCl3St
1135	Dr	HHCl4St
1136	Dr	HHClL1-4
1137	Dr	HHClR1-4
1138	Dr	HHCl1L
1139	Dr	HHCl1R
1140	Dr	HHCl2L
1141	Dr	HHCl2R
1142	Dr	HHCl3L
1143	Dr	HHCl3R
1144	Dr	HHCl4L
1145	Dr	HHCl4R
1146	Dr	HHPdlSt
1147	Dr	HHPdlL
1148	Dr	HHPdlR
1149	Dr	HHOpSt
1150	Dr	HHOpL
1151	Dr	HHOpR
1152	Dr	HHClFtSt
1153	Dr	HHClFtL
1154	Dr	HHClFtR
1155	Dr	HHHlf2St
1156	Dr	HHHlf2L
1157	Dr	HHHlf2R
1158	Dr	HHOp2St
1159	Dr	HHOp2L
1160	Dr	HHOp2R
1161	Dr	HHClRkStSw
1162	Dr	HHClRkSSt
1163	Dr	HHClRkHSt
1164	Dr	HHClRkLSw
1165	Dr	HHClRkRSw
1166	Dr	HHClRkSL
1167	Dr	HHClRkSR
1168	Dr	HHClRkHL
1169	Dr	HHClRkHR
1170	Dr	HHPdRkStSw
1171	Dr	HHPdlRkLSw
1172	Dr	HHPdlRkRSw
1173	Dr	HHClRk2St
1174	Dr	HHClRk2L
1175	Dr	HHClRk2R
1176	Dr	HHPdlRkSt
1177	Dr	HHPdlRkL
1178	Dr	HHPdlRkR
1179	Dr	HHOpRkStSw
1180	Dr	HHOpRkSt
1181	Dr	HHHfOpRkSt
1182	Dr	HHOpRkLSw
1183	Dr	HHOpRkRSw
1184	Dr	HHOpRkL
1185	Dr	HHOpRkR
1186	Dr	HHHlfOpRkL
1187	Dr	HHHlfOpRkR
1188	Dr	HHClMono
1189	Dr	HHOpMono
1190	Dr	HHPdlMono
1191	Dr	HHClT9
1192	Dr	HHOpT9
1193	Dr	HHClT8-1
1194	Dr	HHOpT8-1
1195	Dr	HHClT8-2
1196	Dr	HHOpT8-2
1197	Dr	HHClRX5
1198	Dr	HHClAnCR
1199	Dr	HHOpAnCR
1200	Dr	HHClBreak

No.	Category	Wave Name
1201	Dr	HHPdlBreak
1202	Dr	HHClD&B
1203	Dr	HHPdlD&B
1204	Dr	HHOpD&B
1205	Dr	HHRvD&B
1206	Dr	HHClTek
1207	Dr	HHOpTek
1208	Dr	HHClHip
1209	Dr	HHPdlHip
1210	Dr	HHOpHip
1211	Dr	HHClLoFi
1212	Dr	HHOpLoFi
1213	Dr	HHClSyn
1214	Dr	HHOpSyn
1215	Dr	HHClFx
1216	Dr	HHOpFx
1217	Dr	HHOpHuman
1218	Dr	TomHiSt
1219	Dr	TomHiL
1220	Dr	TomHiR
1221	Dr	TomMdSt
1222	Dr	TomMdL
1223	Dr	TomMdR
1224	Dr	TomLoSt
1225	Dr	TomLoL
1226	Dr	TomLoR
1227	Dr	TomFlSt
1228	Dr	TomFlL
1229	Dr	TomFlR
1230	Dr	TomRkHiSt
1231	Dr	TomRkHiL
1232	Dr	TomRkHiR
1233	Dr	TomRkMdSt
1234	Dr	TomRkMdL
1235	Dr	TomRkMdR
1236	Dr	TomRkLoSt
1237	Dr	TomRkLoL
1238	Dr	TomRkLoR
1239	Dr	TomMonoHi
1240	Dr	TomMonoLo
1241	Dr	TomDryHi
1242	Dr	TmDryLo
1243	Dr	TomAmbHi
1244	Dr	TomAmbLo
1245	Dr	TomT9Hi
1246	Dr	TomT9Lo
1247	Dr	TomT8
1248	Dr	TomSyn1
1249	Dr	TomSyn2
1250	Dr	TomAnSm
1251	Dr	TomDistHi
1252	Dr	TomDistLo
1253	Dr	CrashSt
1254	Dr	CrashL
1255	Dr	CrashR
1256	Dr	Crash
1257	Dr	Crash2
1258	Dr	RideSt
1259	Dr	RideL
1260	Dr	RideR
1261	Dr	CupSt
1262	Dr	CupL
1263	Dr	CupR
1264	Dr	RideMono
1265	Dr	CupMono
1266	Dr	CupMono2
1267	Dr	ChinaSt
1268	Dr	ChinaL
1269	Dr	ChinaR
1270	Dr	China
1271	Dr	SplashSt
1272	Dr	SplashL
1273	Dr	SplashR
1274	Dr	CrashT9
1275	Dr	CrashT8
1276	Dr	CrashSyn
1277	Dr	RideT9
1278	Dr	RevCymbal
1279	Dr	HHClRL1-4
1280	Dr	HHCl1RL
1281	Dr	HHCl2RL
1282	Dr	HHCl3RL
1283	Dr	HHCl4RL
1284	Dr	HHPdlRL
1285	Dr	HHOpRL
1286	Dr	HHClFtRL
1287	Dr	HHHlf2RL
1288	Dr	HHOp2RL
1289	Dr	HHClRkRLSw
1290	Dr	HHClRkSRL
1291	Dr	HHClRkHRL
1292	Dr	HHPdRkRLSw
1293	Dr	HHClRk2RL
1294	Dr	HHPdlRkRL
1295	Dr	HHOpRkRLSw
1296	Dr	HHOpRkRL
1297	Dr	HHHfOpRkRL
1298	Dr	TomHiRL
1299	Dr	TomMdRL
1300	Dr	TomLoRL

No.	Category	Wave Name
1301	Dr	TomFlRL
1302	Dr	TomRkHiRL
1303	Dr	TomRkMdRL
1304	Dr	TomRkLoRL
1305	Dr	CrashRL
1306	Dr	RideRL
1307	Dr	CupRL
1308	Dr	ChinaRL
1309	Dr	SplashRL

Performance List

Bank MSB:63, LSB:64

Number	Performance Name	Category	SubCategory
1	Procession	Co	SEQ
2	2001BrsOrc	Br	SECTION
3	RStreet	Co	SEQ
4	Nouveau	Me	MOTION
5	GuitarRox	Co	SPLIT
6	Sprinkler	Pd	SOFT
7	SoulSpirit	Co	SPLIT
8	Film Noir	Co	SPLIT
9	LittleBear	Co	SEQ
10	SynHeaven	Me	MOTION
11	BluesCruis	Co	SPLIT
12	SmoothMood	Co	SPLIT
13	PopR&B	Co	SPLIT
14	Iron Dance	Co	SEQ
15	LittleFox	Gt	A.GUITAR
16	Glass+san	Me	MOTION
17	Big Jon	Co	SEQ
18	Wnds&Strgs	St	SECTION
19	Hip Balad	Co	SPLIT
20	Emortion	Co	SEQ
21	Rockabilly	Gt	E.GUITAR
22	Waterfowl	Me	MOTION
23	JourneyMan	Co	SEQ
24	Ba-PnoCmp	Co	SPLIT
25	Bass'ndrum	Co	SEQ
26	Fat Stack	Pd	BRIGHT
27	Funk Jam	Co	SPLIT
28	ChinaEns	Co	SPLIT
29	A Visit	Co	SEQ
30	Race	Co	SEQ
31	SongWriter	Co	SPLIT
32	Multiplex	Co	SEQ
33	Generation	Co	SEQ
34	Orch Theme	St	SECTION
35	HopStringy	Co	SPLIT
36	Birth	Me	MOTION
37	Heavy Jam	Co	SEQ
38	Utopia	Me	MOTION
39	Islands	Co	SPLIT
40	Romantic	Kb	E.PIANO
41	Afro/House	Co	SEQ
42	Wavepad	Pd	SOFT
43	80AnaSplit	Co	SPLIT
44	Ana Love	Pd	SOFT
45	The Quest	Me	MOTION
46	BigBouncer	Me	MOTION
47	TradeWinds	Me	MOTION
48	Wormholez	Co	SEQ
49	Lipolectro	Co	SPLIT
50	Superstrgs	St	SECTION
51	Flip Hop	Co	SPLIT
52	A dream	Co	SEQ
53	VintString	Gt	E.GUITAR
54	Motivation	Me	MOTION
55	AsianPad	Me	MOTION
56	Grand+Dyno	Ap	A.PIANO
57	Big D&B	Co	SEQ
58	Nast&Clean	Co	SPLIT
59	RareGroove	Co	SPLIT
60	Another	Pd	SOFT
61	Pager	Co	SEQ
62	Galaxy	Co	SEQ
63	Pickin8ths	Gt	E.GUITAR
64	HiPa Gruv	Me	MOTION

Number	Performance Name	Category	SubCategory
65	Incomplete	Co	SEQ
66	ActionFlik	St	SECTION
67	4x4	Co	SPLIT
68	Swirling	Me	MOTION
69	Hot Chili	Co	SEQ
70	Awake	Me	MOTION
71	Latin Jam	Co	SEQ
72	Grand+FM	Ap	A.PIANO
73	My House	Co	SEQ
74	Paranoid	Me	MOTION
75	80CompSplt	Co	SPLIT
76	Warm Bell	Pd	SOFT
77	Nobody	Co	SPLIT
78	Mantra	Co	SEQ
79	LoneGitars	Gt	A.GUITAR
80	Tranzlot	Me	MOTION
81	Transfer	Co	SEQ
82	StringSect	St	SECTION
83	Hop It	Co	SEQ
84	Jambala	Co	SEQ
85	Rockn'Rave	Co	SEQ
86	OnTheEarth	Co	SPLIT
87	UTAGE	Co	SPLIT
88	Romantic 2	Ap	A.PIANO
89	Darkside	Co	SPLIT
90	Talitha	Me	MOTION
91	Bebop Trio	Co	SPLIT
92	Hwang Ho	Co	SPLIT
93	Smoove	Co	SEQ
94	Freedom	Co	SEQ
95	Overture	St	SECTION
96	Transform	Co	SEQ
97	PressedBas	Co	SEQ
98	Philharmnc	St	SECTION
99	GuitarMood	Co	SPLIT
100	Insanity	Se	SYNTH
101	Sub-Urban	Co	SEQ
102	Color Gruv	Co	SEQ
103	LatinFlavr	Dr	PERCUSSION
104	Peace	Co	SPLIT
105	Edgey	Co	SPLIT
106	Lugosi	Me	MOTION
107	Groovin'EP	Co	SPLIT
108	Arabian	Pd	SOFT
109	Techstep	Co	SEQ
110	N-yaSpace	Me	MOTION
111	70th Heroe	Or	ELECTRIC
112	Mo's SciFi	Se	SYNTH
113	Lover	Co	SEQ
114	BrassChord	Br	SECTION
115	Hip Space	Co	SEQ
116	Sweet Ens	Rp	PIPE
117	AltrnaRock	Co	SPLIT
118	LatinBrass	Br	SECTION
119	Ethno Jam	Co	SEQ
120	Stormy	Kb	E.PIANO
121	Book Him	Co	SEQ
122	MonstrLead	Ld	HARD
123	Raga #5	Co	SEQ
124	Ethnoluv	Co	SPLIT
125	Coal	Co	SPLIT
126	SonOfMars	Me	MOTION
127	Trance cho	Sc	HARD
128	Velomuv	Me	MOTION

Effect Type List

Effect Category	Effect Name	LCD	MIDI (HEX)		No.				
			MSB	LSB	REV	CHO	InsEf1	InsEf2	Var(*)
---	NO EFFECT	off	00	00	0	0			0
---	THRU	Thru	00	00			0	0	
REV									
	HALL 1	Rev Hall 1	01	00	1			1	
	HALL 2	Rev Hall 2	01	01	2			2	
	ROOM 1	Rev Room 1	01	10	3			3	
	ROOM 2	Rev Room 2	01	11	4			4	
	ROOM 3	Rev Room 3	01	12	5			5	
	STAGE 1	Rev Stage 1	01	20	6			6	
	STAGE 2	Rev Stage 2	01	21	7			7	
	PLATE	Rev Plate	01	30	8			8	
	WHITE ROOM	RevWhiteRoom	01	40	9				
	TUNNEL	Rev Tunnel	01	41	10				
	BASEMENT	Rev Basement	01	42	11				
	CANYON	Rev Canyon	01	43	12				
DLY									
	DELAY L,C,R	Delay L,C,R	02	00				9	
	DELAY L,R	Delay L,R	02	10		18		10	
	ECHO	Echo	02	20		19		11	
	CROSS DELAY	Cross Delay	02	30		20		12	
	CONTROL DELAY (MONO)	Ctrl Delay 1	02	40		21		13	
	CONTROL DELAY (STEREO)	Ctrl Delay 2	02	48		22		14	
	TEMPO DELAY (MONO)	TempoDelay 1	02	50		23		15	
	TEMPO DELAY (STEREO)	TempoDelay 2	02	58		24		16	
	TEMPO CROSS DELAY	TempoCrosDly	02	60		25		17	
ER									
	EARLY REFLECTION 1	Early Ref 1	03	00				18	
	EARLY REFLECTION 2	Early Ref 2	03	01				19	
	GATE REVERB	Gate Reverb	03	10				20	
	REVERSE GATE	Reverse Gate	03	20				21	
KAR									
	KARAOKE 1	Karaoke 1	04	00				22	
	KARAOKE 2	Karaoke 2	04	01				23	
	KARAOKE 3	Karaoke 3	04	02				24	
CHO									
	CHORUS 1	Chorus 1	05	00		1	1	25	1
	CHORUS 2	Chorus 2	05	01		2	2	26	2
	CHORUS 3	Chorus 3	05	02		3	3	27	3
	CHORUS 4	Chorus 4	05	08		4	4	28	4
	CHORUS 5	Chorus 5	05	09		5		29	
	CELESTE 1	Celeste 1	05	10		6	5	30	5
	CELESTE 2	Celeste 2	05	11		7	6	31	6
	CELESTE 3	Celeste 3	05	12		8	7	32	7
	CELESTE 4	Celeste 4	05	18		9	8	33	8
	SYMPHONIC	Symphonic	05	20		10		34	
	ENSEMBLE DETUNE	Ensemble	05	30		11		35	
FLG									
	FLANGER 1	Flanger 1	06	00		12	9	36	9
	FLANGER 2	Flanger 2	06	01		13	10	37	10
	FLANGER 3	Flanger 3	06	08		14	11	38	11
	V-FLANGER	V-Flanger	06	10				39	
	TEMPO FLANGER	TempoFlanger	06	50		15		40	
	DYNAMIC FLANGER	DynamFlanger	06	60				41	
PHA									
	PHASER 1	Phaser 1	07	00		16	12	42	12
	PHASER 2	Phaser 2	07	08				43	
	TEMPO PHASER	TempoPhaser	07	50		17		44	
	DYNAMIC PHASER	DynamPhaser	07	60				45	
MOD									
	TREMOLO	Tremolo	08	00			13	46	13
	AUTO PAN	Auto Pan	08	10			14	47	14
	AUTO PAN 2	Auto Pan 2	08	11				48	
	ROTARY SPEAKER	Rotary SP 1	08	50				49	
	DISTORTION+ROTARY SPEAKER	Dist+RotSp1	08	51				50	
	OVERDRIVE+ROTARY SPEAKER	Odrv+RotSp1	08	52				51	
	AMP SIM.+ROTARY SPEAKER	Amp +RotSp1	08	53				52	
	2WAY ROTARY SPEAKER	Rotary Sp2	08	60				53	
	DISTORTION+2WAY ROTARY SPEAKER	Dist+RotSp2	08	61				54	
	OVERDRIVE+2WAY ROTARY SPEAKER	Odrv+RotSp2	08	62				55	
	AMP SIM.+2WAY ROTARY SPEAKER	Amp +RotSp2	08	63				56	
	DUAL ROTOR SPEAKER1	Dual RotSp 1	08	70				57	
	DUAL ROTOR SPEAKER2	Dual RotSp 2	08	71				58	
	DUAL ROTOR SPEAKER3	Dual RotSp 3	08	72				59	

(*) Performance Mode Only.

Effect Category	Effect Name	LCD	MIDI (HEX)		No.				
			MSB	LSB	REV	CHO	InsEf1	InsEf2	Var(*)
DST									
	DISTORTION	Distortion	09	00			15	60	15
	COMP DISTORTION	Comp + Dist	09	01				61	
	V-DISTORTION	V-Distortion	09	10				62	
	OVER DRIVE	Overdrive	09	20			16	63	16
	AMP SIMULATOR	AmpSimulator	09	30			17	64	17
	AMP SIMULATOR 2	AmpSim 2	09	31			18	65	18
	DIST+DELAY	Dist + Delay	09	40				66	
	OVERDRIVE+DELAY	Odrv + Delay	09	41				67	
DYN									
	COMPRESSOR	Compressor	0A	00			19	68	19
	NOISE GATE	Noise Gate	0A	20			20	69	20
	COMP+DIST+DELAY	Cmp+Dist+Dly	0A	40				70	
	COMP+OVERDRIVE+DELAY	Cmp+Odrv+Dly	0A	41				71	
	MULTI BAND COMPRESSOR 1	MltBndComp 1	0A	50				72	
	MULTI BAND COMPRESSOR 2	MltBndComp 2	0A	51				73	
PCH									
	PITCH CHANGE 1	PitchChange1	0B	00				74	
	PITCH CHANGE 2	PitchChange2	0B	01				75	
WAH									
	AUTO WAH	Auto Wah	0C	00			21	76	21
	AUTO WAH + DIST	A.Wah+Dist	0C	01				77	
	AUTO WAH + OVERDRIVE	A.Wah+Odrv	0C	02				78	
	TOUCH WAH	Touch Wah	0C	10			22	79	22
	TOUCH WAH + DIST	T.Wah+Dist	0C	11				80	
	TOUCH WAH + OVERDRIVE	T.Wah+Odrv	0C	12				81	
	WAH+DIST+DELAY	Wah+Dist+Dly	0C	40				82	
	WAH+OVERDRIVE+DELAY	Wah+Odrv+Dly	0C	41				83	
L-F									
	LO-FI	Lo-Fi	0D	00				84	
	LOW RESOLUTION	LoResolution	0D	10				85	
	NOISY	Noisy	0D	20				86	
	ATTACK LO-FI	Attack LoFi	0D	30				87	
	DIGITAL TURNTABLE	D.Turntable	0D	50				88	
TEC									
	DIGITAL SCRATCH	D.Scratch	0E	00				89	
	AUTO SYNTH	Auto Synth	0E	10				90	
	TECH MODULATION	Tech Mod	0E	20				91	
	JUMP	Jump	0E	30				92	
	ISOLATION	Isolator	0E	40				93	
	SLICE	Slice	0E	50				94	
MSC									
	3-BAND EQ	3 Band EQ	0F	00			23	95	23
	2-BAND EQ	2 Band EQ	0F	01			24	96	24
	HARMONIC ENHANCER	Enhancer	0F	10			25	97	25
	VOICE CANCEL	Voice Cancel	0F	20				98	
	AMBIENCE	Ambience	0F	30				99	
	TALKING MODULATOR	Talking Mod	0F	40				100	
	BEAT CHANGE	Beat Change	0F	50				101	
	RING MODULATOR	Ring Mod	0F	70				102	
	DYNAMIC RING MODULATOR	DynamRingMod	0F	71				103	
	DYNAMIC FILTER	DynamFilter	0F	78				104	

(*) Performance Mode Only.

Effect Parameter List

1. Reverb

01 HALL 1~08 PLATE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Reverb Time	0.3s~30.0s	(0~69)	1	4
2	Initial Delay	0.1ms~200.0ms	(0~127)	3	5
3	Reverb Delay	0.1ms~200.0ms	(0~127)	6	5
4	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	4	3
5	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	5	3
6	Diffusion	0~10	(0~10)	2	
7	Density	0~4	(0~4)	7	
8	ER/Rev Balance	E63>R~E=R~E<R63	(1~127)	8	
9	Feedback Level	-63~+63	(1~127)	10	
10	Feedback High Damp	0.1~1.0	(1~10)	9	

09 WHITE ROOM~12 CANYON

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Reverb Time	0.3s~30.0s	(0~69)	1	4
2	Initial Delay	0.1ms~200.0ms	(0~127)	3	5
3	Reverb Delay	0.1ms~200.0ms	(0~127)	10	5
4	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	4	3
5	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	5	3
6	Diffusion	0~10	(0~10)	2	
7	Width	0.5m~30.2m	(0~104)	6	11
8	Height	0.5m~30.2m	(0~104)	7	11
9	Depth	0.5m~30.2m	(0~104)	8	11
10	Wall Vary	0~30	(0~30)	9	

2. Chorus

01 CHORUS 1~09 CELESTE 4

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	EQ Low Frequency	32Hz~2.0kHz	(4~40)	5	3
4	EQ Low Gain	-12dB~+12dB	(52~76)	6	
5	EQ High Frequency	500Hz~16.0kHz	(28~58)	7	3
6	EQ High Gain	-12dB~+12dB	(52~76)	8	
7	Delay Offset	0.0ms~50.0ms	(0~127)	4	2
8	Feedback Level	-63~+63	(1~127)	3	

10 SYMPHONIC

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Delay Offset	0.0ms~50.0ms	(0~127)	3	2
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	4	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	5	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	6	3
7	EQ High Gain	-12dB~+12dB	(52~76)	7	

11 ENSEMBLE DETUNE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Detune	-50cent~+50cent	(14~114)	1	
2	Initial Delay Lch	0.0ms~50.0ms	(0~127)	2	2
3	Initial Delay Rch	0.0ms~50.0ms	(0~127)	3	2

12 FLANGER 1~14 FLANGER 3

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	LFO Phase Difference	-180deg~+180deg	(4~124)	5	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	
8	Delay Offset	0.0ms~50.0ms	(0~127)	4	2
9	Feedback Level	-63~+63	(1~127)	3	

15 TEMPO FLANGER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd, Whole/3, 2nd., 4thx4, 4thx5, 4thx6, 4thx7, 4thx8	(5~21)	1	
2	LFO Depth	0~127	(0~127)	2	
3	LFO Phase Difference	-180deg~+180deg	(0~2)	5	
4	LFO Phase Reset	off(free run), Key On Reset, SEQ Start Reset	(4~124)	6	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	7	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	8	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	9	3
8	EQ High Gain	-12dB~+12dB	(52~76)	10	
9	Delay Offset	0.0ms~50.0ms	(0~127)	4	2
10	Feedback Level	-63~+63	(1~127)	3	

16 PHASER 1

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Diffusion	mono/stereo	(0~1)	6	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	7	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	8	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	9	3
7	EQ High Gain	-12dB~+12dB	(52~76)	10	
8	Stage	4, 5, 6	(4~6)	5	
9	Phase Shift Offset	0~127	(0~127)	3	
10	Feedback Level	-63~+63	(1~127)	4	

17 TEMPO PHASER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd, Whole/3, 2nd., 4thx4, 4thx5, 4thx6, 4thx7, 4thx8	(5~21)	1	
2	LFO Depth	0~127	(0~127)	2	
3	LFO Phase Reset	off(free run), Key On Reset, SEQ Start Reset	(0~2)	6	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	7	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	8	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	9	3
7	EQ High Gain	-12dB~+12dB	(52~76)	10	
8	Stage	4, 5, 6	(4~6)	5	
9	Phase Shift Offset	0~127	(0~127)	3	
10	Feedback Level	-63~+63	(1~127)	4	

18 DELAY L, R

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Lch Delay Time	0.1ms~740.0ms	(0~127)	1	19
2	Rch Delay Time	0.1ms~740.0ms	(0~127)	2	19
3	Lch Feedback Time	0.1ms~740.0ms	(0~127)	3	19
4	Rch Feedback Time	0.1ms~740.0ms	(0~127)	4	19
5	Feedback Level	-63~+63	(1~127)	5	
6	Feedback High Damp	0.1~1.0	(1~10)	6	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	7	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	8	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	9	3
10	EQ High Gain	-12dB~+12dB	(52~76)	10	

19 ECHO

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Lch Delay1 Time	0.1ms~740.0ms	(0~127)	1	19
2	Rch Delay1 Time	0.1ms~740.0ms	(0~127)	3	19
3	Lch Feedback Level	-63~+63	(1~127)	2	
4	Rch Feedback Level	-63~+63	(1~127)	4	
5	Feedback High Damp	0.1~1.0	(1~10)	5	
6	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
7	EQ Low Gain	-12dB~+12dB	(52~76)	7	
8	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
9	EQ High Gain	-12dB~+12dB	(52~76)	9	

20 CROSS DELAY

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	L->R Delay Time	0.1ms~740.0ms	(0~127)	1	19
2	R->L Delay Time	0.1ms~740.0ms	(0~127)	2	19
3	Input Select	L, R, L&R	(0~2)	4	
4	Feedback Level	-63~+63	(1~127)	3	
5	Feedback High Damp	0.1~1.0	(1~10)	5	
6	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
7	EQ Low Gain	-12dB~+12dB	(52~76)	7	
8	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
9	EQ High Gain	-12dB~+12dB	(52~76)	9	

21 CONTROL DELAY(MONO)

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Delay Time	0.1ms~1480.0ms	(0~127)	1	20
2	Delay Transition Rate	1~48	(1~48)	2	
3	Feedback Level	-63~+63	(1~127)	3	
4	Feedback High Damp	0.1~1.0	(1~10)	4	
5	Delay Time Offset	0~127	(0~127)	5	
6	Control Type	normal, scratch	(0~1)	6	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	7	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	8	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	9	3
10	EQ High Gain	-12dB~+12dB	(52~76)	10	

22 CONTROL DELAY(STEREO)

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Delay Time	0.1ms~740.0ms	(0~127)	1	19
2	Delay Transition Rate	1~48	(1~48)	2	
3	Feedback Level	-63~+63	(1~127)	3	
4	Feedback High Damp	0.1~1.0	(1~10)	4	
5	Delay Time Offset	0~127	(0~127)	5	
6	Control Type	normal, scratch	(0~1)	6	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	7	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	8	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	9	3
10	EQ High Gain	-12dB~+12dB	(52~76)	10	

23 TEMPO DELAY (MONO)~24 TEMPO DELAY (STEREO)

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Delay Time	32nd, 16th/3, 32nd., 16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd	(2~14)	1	
2	Lag	-63ms~+63ms	(1~127)	5	
3	L/R Diffusion	-63ms~+63ms	(1~127)	4	
4	Feedback Level	-63~+63	(1~127)	2	
5	Feedback High Dump	0.1~1.0	(1~10)	3	
6	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
7	EQ Low Gain	-12dB~+12dB	(52~76)	7	
8	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
9	EQ High Gain	-12dB~+12dB	(52~76)	9	

25 TEMPO CROSS DELAY

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	L->R Delay Time	32nd, 16th/3, 32nd., 16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd	(2~14)	1	
2	R->L Delay Time	32nd, 16th/3, 32nd., 16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd	(2~14)	2	
3	Input Select	L, R, L&R	(0~2)	5	
4	Lag	-63ms~+63ms	(1~127)	6	
5	Feedback Level	-63~+63	(1~127)	3	
6	Feedback High Dump	0.1~1.0	(1~10)	4	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	7	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	8	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	9	3
10	EQ High Gain	-12dB~+12dB	(52~76)	10	

3. Insertion Effect 2

001 HALL1~008 PLATE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Reverb Time	0.3s~30.0s	(0~69)	1	4
2	Initial Delay	0.1ms~99.3ms	(0~63)	3	5
3	Reverb Delay	0.1ms~99.3ms	(0~63)	11	5
4	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
5	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	4	3
6	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	5	3
7	Diffusion	0~10	(0~10)	2	
8	Density	0~4	(0~4)	12	
9	ER/Rev Balance	E63>R~E=R~E<R63	(1~127)	13	
10	Feedback Level	-63~+63	(1~127)	15	
11	Feedback High Damp	0.1~1.0	(1~10)	14	

009 DELAY L, C, R

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Lch Delay Time	0.1ms~1486.0ms	(1~14860)	1	
2	Rch Delay Time	0.1ms~1486.0ms	(1~14860)	2	
3	Cch Delay Time	0.1ms~1486.0ms	(1~14860)	3	
4	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
5	Cch Level	0~127	(0~127)	6	
6	Feedback Time	0.1ms~1486.0ms	(1~14860)	4	
7	Feedback Level	-63~+63	(1~127)	5	
8	Feedback High Damp	0.1~1.0	(1~10)	7	
9	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
10	EQ Low Gain	-12dB~+12dB	(52~76)	14	
11	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
12	EQ High Gain	-12dB~+12dB	(52~76)	16	

010 DELAY L, R

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Lch Delay Time	0.1ms~1486.0ms	(1~14860)	1	
2	Rch Delay Time	0.1ms~1486.0ms	(1~14860)	2	
3	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
4	Lch Feedback Time	0.1ms~1486.0ms	(1~14860)	3	
5	Rch Feedback Time	0.1ms~1486.0ms	(1~14860)	4	
6	Feedback Level	-63~+63	(1~127)	5	
7	Feedback High Damp	0.1~1.0	(1~10)	6	
8	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
9	EQ Low Gain	-12dB~+12dB	(52~76)	14	
10	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
11	EQ High Gain	-12dB~+12dB	(52~76)	16	

011 ECHO

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Lch Delay1 Time	0.1ms~743.0ms	(1~7430)	1	
2	Rch Delay1 Time	0.1ms~743.0ms	(1~7430)	3	
3	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
4	Lch Feedback Level	-63~+63	(1~127)	2	
5	Rch Feedback Level	-63~+63	(1~127)	4	
6	Feedback High Damp	0.1~1.0	(1~10)	5	
7	Lch Delay2 Time	0.1ms~743.0ms	(1~7430)	6	
8	Rch Delay2 Time	0.1ms~743.0ms	(1~7430)	7	
9	Delay2 Level	0~127	(0~127)	8	
10	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
11	EQ Low Gain	-12dB~+12dB	(52~76)	14	
12	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
13	EQ High Gain	-12dB~+12dB	(52~76)	16	

012 CROSS DELAY

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	L->R Delay Time	0.1ms~743.0ms	(1~7430)	1	
2	R->L Delay Time	0.1ms~743.0ms	(1~7430)	2	
3	Input Select	L, R, L&R	(0~2)	4	
4	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
5	Feedback Level	-63~+63	(1~127)	3	
6	Feedback High Damp	0.1~1.0	(1~10)	5	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	14	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
10	EQ High Gain	-12dB~+12dB	(52~76)	16	

013 CONTROL DELAY(MONO)

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Delay Time	0.1ms~1486.0ms	(1~14860)	1	
2	Delay Transition Rate	1~48	(1~48)	2	
3	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
4	Control Type	normal, scratch	(0~1)	11	
5	Feedback Level	-63~+63	(1~127)	3	
6	Feedback High Damp	0.1~1.0	(1~10)	4	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	7	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
10	EQ High Gain	-12dB~+12dB	(52~76)	9	

014 CONTROL DELAY (STEREO)

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Delay Time	0.1ms~743.0ms	(1~7430)	1	
2	Delay Transition Rate	1~48	(1~48)	2	
3	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
4	Control Type	normal, scratch	(0~1)	11	
5	Feedback Level	-63~+63	(1~127)	3	
6	Feedback High Damp	0.1~1.0	(1~10)	4	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	7	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
10	EQ High Gain	-12dB~+12dB	(52~76)	9	

015 TEMPO DELAY (MONO)~016 TEMPO DELAY (STEREO)

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Delay Time	32nd, 16th/3, 32nd., 16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd	(2~14)	1	
2	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
3	Lag	-63ms~+63ms	(1~127)	6	
4	L/R Diffusion	-63ms~+63ms	(1~127)	5	
5	Feedback Level	-63~+63	(1~127)	3	
6	Feedback High Dump	0.1~1.0	(1~10)	4	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	14	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
10	EQ High Gain	-12dB~+12dB	(52~76)	16	

017 TEMPO CROSS DELAY

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	L->R Delay Time	32nd, 16th/3, 32nd., 16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd	(2~14)	1	
2	R->L Delay Time	32nd, 16th/3, 32nd., 16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd	(2~14)	2	
3	Input Select	L, R, L&R	(0~2)	6	
4	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
5	Lag	-63ms~+63ms	(1~127)	8	
6	Feedback Level	-63~+63	(1~127)	4	
7	Feedback High Dump	0.1~1.0	(1~10)	5	
8	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
9	EQ Low Gain	-12dB~+12dB	(52~76)	14	
10	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
11	EQ High Gain	-12dB~+12dB	(52~76)	16	

018 EARLY REFLECTION 1~019 EARLY REFLECTION 2

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Type	S-hall, L-hall, random, reverse, plate, spring	(0~5)	1	
2	Room Size	0.1~20.0	(0~127)	2	6
3	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
4	Diffusion	0~10	(0~10)	3	
5	Initial Delay	0.1ms~200.0ms	(0~127)	4	5
6	Liveness	0~10	(0~10)	11	
7	Density	0~3	(0~3)	12	
8	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	6	3
9	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	7	3
10	Feedback Level	-63~+63	(1~127)	5	
11	Feedback High Damp	0.1~1.0	(1~10)	13	

020 GATE REVERB~021 REVERSE GATE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Type	type-A, type-B	(0~1)	1	
2	Room Size	0.1~20.0	(0~127)	2	6
3	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
4	Diffusion	0~10	(0~10)	3	
5	Initial Delay	0.1ms~200.0ms	(0~127)	4	5
6	Liveness	0~10	(0~10)	11	
7	Density	0~3	(0~3)	12	
8	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	6	3
9	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	7	3
10	Feedback Level	-63~+63	(1~127)	5	
11	Feedback High Damp	0.1~1.0	(1~10)	13	

022 KARAOKE 1~024 KARAOKE 3

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Delay Time	0.1ms~400.0ms	(0~127)	1	7
2	Feedback Level	-63~+63	(1~127)	2	
3	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
4	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	3	3
5	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	4	3

025 CHORUS 1~033 CELESTE 4

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Input Mode	mono/stereo	(0~1)	15	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	
8	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
9	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
10	EQ Mid Width	0.1~12.0	(1~120)	13	
11	Delay Offset	0.0ms~50.0ms	(0~127)	4	2
12	Feedback Level	-63~+63	(1~127)	3	
13	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

034 SYMPHONIC

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Delay Offset	0.0ms~50.0ms	(0~127)	4	2
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	
8	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
9	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
10	EQ Mid Width	0.1~12.0	(1~120)	13	
11	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

035 ENSEMBLE DETUNE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Detune	-50cent~+50cent	(14~114)	1	
2	Lch Initial Delay	0.0ms~50.0ms	(0~127)	2	2
3	Rch Initial Delay	0.0ms~50.0ms	(0~127)	3	2
4	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	11	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	12	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	13	3
8	EQ High Gain	-12dB~+12dB	(52~76)	14	

036 FLANGER 1~038 FLANGER 3

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	LFO Phase Difference	-180deg~+180deg	(4~124)	14	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	
8	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
9	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
10	EQ Mid Width	0.1~12.0	(1~120)	13	
11	Delay Offset	0.0ms~50.0ms	(0~127)	4	2
12	Feedback Level	-63~+63	(1~127)	3	
13	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

039 V-FLANGER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	LFO Wave	Triangle, Sine, Random	(0~2)	3	
4	Modulation Phase	-180~+180	(0~16)	5	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	7	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
8	EQ High Gain	-12dB~+12dB	(52~76)	9	
9	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
10	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
11	EQ Mid Width	0.1~12.0	(1~120)	13	
12	Analog Feel	0~10	(0~10)	16	
13	Feedback Level	-100~+100%	(0~200)	14	
14	Feedback High Damp	0.1~1.0	(1~10)	15	
15	Delay offset	0.09~36.21ms	(0~139)	4	
16	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

040 TEMPO FLANGER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd, Whole/3, 2nd., 4thx4, 4thx5, 4thx6, 4thx7, 4thx8	(5~21)	1	
2	LFO Depth	0~127	(0~127)	2	
3	LFO Phase Difference	-180deg~+180deg	(4~124)	14	
4	LFO Phase Reset	off(free run), Key On Reset, SEQ Start Reset	(0~2)	5	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	7	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
8	EQ High Gain	-12dB~+12dB	(52~76)	9	
9	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
10	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
11	EQ Mid Width	0.1~12.0	(1~120)	13	
12	Delay offset	0.0ms~50.0ms	(0~127)	4	2
13	Feedback Level	-63~+63	(1~127)	3	
14	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

41 DYNAMIC FLANGER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Sensitivity	0~127	(0~127)	1	
2	Delay Time Offset	0~127	(0~127)	2	
3	Feedback Level	-63~+63	(1~127)	3	
4	Attack Time	0.3ms~227ms	(0~127)	4	17
5	Release Time	2.6ms~2171ms	(0~127)	5	18
6	Release Curve	0~127	(0~127)	6	
7	Direction	up, down	(0~1)	7	
8	Dyna Threshold Level	0~127	(0~127)	8	
9	Dyna Level Offset	0~127	(0~127)	9	
10	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
11	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
12	EQ Low Gain	-12dB~+12dB	(52~76)	14	
13	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
14	EQ High Gain	-12dB~+12dB	(52~76)	16	

42 PHASER 1

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Diffusion	mono/stereo	(0~1)	12	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	
8	Stage	4, 5, 6, 7, 8, 9, 10, 11, 12	(4~12)	11	
9	Phase Shift Offset	0~127	(0~127)	3	
10	Feedback Level	-63~+63	(1~127)	4	
11	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

043 PHASER 2

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	LFO Phase Difference	-180deg~+180deg	(4~124)	13	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	
8	Stage	3, 4, 5, 6	(3~6)	11	
9	Phase Shift Offset	0~127	(0~127)	3	
10	Feedback Level	-63~+63	(1~127)	4	
11	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

44 TEMPO PHASER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	16th, 8th/3, 16th., 8th, 4th/3, 8th., 4th, 2nd/3, 4th., 2nd, Whole/3, 2nd., 4thx4, 4thx5, 4thx6, 4thx7, 4thx8	(5~21)	1	
2	LFO Depth	0~127	(0~127)	2	
4	LFO Phase Reset	off(free run), Key On Reset, SEQ Start Reset	(0~2)	5	
3	LFO Phase Difference (deg)	-180deg~+180deg	(4~124)	13	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	7	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
8	EQ High Gain	-12dB~+12dB	(52~76)	9	
9	Stage	3, 4, 5, 6	(3~6)	11	
10	Phase Shift Offset	0~127	(0~127)	3	
11	Feedback Level	-63~+63	(1~127)	4	
12	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

045 DYNAMIC PHASER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Sensitivity	0~127	(0~127)	1	
2	Dyna Level Offset	0~127	(0~127)	2	
3	Feedback Level	-63~+63	(1~127)	3	
4	Attack Time	0.3ms~227ms	(0~127)	4	17
5	Release Time	2.6ms~2171ms	(0~127)	5	18
6	Release Curve	0~127	(0~127)	6	
7	Direction	up, down	(0~1)	7	
8	Dyna Threshold Level	0~127	(0~127)	8	
9	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
10	Stage	4, 5, 6	(4~6)	11	
11	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
12	EQ Low Gain	-12dB~+12dB	(52~76)	14	
13	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
14	EQ High Gain	-12dB~+12dB	(52~76)	16	

046 TREMOLO

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	AM Depth	0~127	(0~127)	2	
3	PM Depth	0~127	(0~127)	3	
4	LFO Phase Difference	-180deg~+180deg	(4~124)	14	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	7	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
8	EQ High Gain	-12dB~+12dB	(52~76)	9	
9	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
10	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
11	EQ Mid Width	0.1~12.0	(1~120)	13	
12	Input Mode	mono/stereo	(0~1)	15	

047 AUTO PAN

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	L/R Depth	0~127	(0~127)	2	
3	F/R Depth	0~127	(0~127)	3	
4	PAN Direction	L<>R, L>>R, L<<R, Lturn, Rturn, L/R	(0~5)	4	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	7	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
8	EQ High Gain	-12dB~+12dB	(52~76)	9	
9	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
10	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
11	EQ Mid Width	0.1~12.0	(1~120)	13	

048 AUTO PAN 2

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Wave	0~28	(0~28)	2	
3	L/R Depth	0~127	(0~127)	3	
4	F/R Depth	0~127	(0~127)	4	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	7	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
8	EQ High Gain	-12dB~+12dB	(52~76)	9	
9	PAN Direction	L<>R, L>>R, L<<R, Lturn, Rturn, L/R	(0~5)	5	
10	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
11	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
12	EQ Mid Width	0.1~12.0	(1~120)	13	

049 ROTARY SPEAKER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
4	EQ Low Gain	-12dB~+12dB	(52~76)	7	
5	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
6	EQ High Gain	-12dB~+12dB	(52~76)	9	
7	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	11	3
8	EQ Mid Gain	-12dB~+12dB	(52~76)	12	
9	EQ Mid Width	0.1~12.0	(1~120)	13	
10	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

050 DISTORTION + ROTARY SPEAKER~051 OVERDRIVE + ROTARY SPEAKER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Drive	0~127	(0~127)	14	
4	Drive LPF Cutoff Freq	1.0kHz~20.0kHz	(34~60)	15	3
5	Drive Output Level	0~127	(0~127)	16	
6	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
7	EQ Low Gain	-12dB~+12dB	(52~76)	7	
8	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
9	EQ High Gain	-12dB~+12dB	(52~76)	9	

052 AMP SIM. + ROTARY SPEAKER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Amp Type	off, stack, combo, tube	(0~3)	3	
4	Amp Drive	0~127	(0~127)	14	
5	Amp LPF Cutoff Freq	1.0kHz~20.0kHz	(34~60)	15	3
6	Amp Output Level	0~127	(0~127)	16	
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	7	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
10	EQ High Gain	-12dB~+12dB	(52~76)	9	

053 2-WAY ROTARY SPEAKER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Rotor Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	Drive Low	0~127	(0~127)	2	
3	Drive High	0~127	(0~127)	3	
4	Low/High Balance	L63>H~L=H~L<H63	(1~127)	4	
5	Mic L-R Angle	0deg~180deg	(0~60)	5	
6	Divide Frequency	100Hz~10.0kHz	(14~54)	11	3
7	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
8	EQ Low Gain	-12dB~+12dB	(52~76)	7	
9	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
10	EQ High Gain	-12dB~+12dB	(52~76)	9	

054 DISTORTION + 2-WAY ROTARY SPEAKER~055 OVERDRIVE + 2-WAY ROTARY SPEAKER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Rotor Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	Drive Low	0~127	(0~127)	2	
3	Drive High	0~127	(0~127)	3	
4	Low/High Balance	L63>H~L=H~L<H63	(1~127)	4	
5	Mic L-R Angle	0deg~180deg	(0~60)	12	
6	Divide Frequency	100Hz~10.0kHz	(14~54)	11	3
7	Drive	0~127	(0~127)	14	
8	Drive LPF Cutoff Freq	1.0kHz~20.0kHz	(34~60)	15	3
9	Drive Output Level	0~127	(0~127)	16	
10	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
11	EQ Low Gain	-12dB~+12dB	(52~76)	7	
12	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
13	EQ High Gain	-12dB~+12dB	(52~76)	9	

056 AMP SIM. + 2-WAY ROTARY SPEAKER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Rotor Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	Drive Low	0~127	(0~127)	2	
3	Drive High	0~127	(0~127)	3	
4	Low/High Balance	L63>H~L=H~L<H63	(1~127)	4	
5	Mic L-R Angle	0deg~180deg	(0~60)	12	
6	Divide Frequency	100Hz~10.0kHz	(14~54)	11	3
7	Amp Type	off, stack, combo, tube	(0~3)	13	
8	Amp Drive	0~127	(0~127)	14	
9	Amp LPF Cutoff Freq	1.0kHz~20.0kHz	(34~60)	15	3
10	Amp Output Level	0~127	(0~127)	16	
11	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
12	EQ Low Gain	-12dB~+12dB	(52~76)	7	
13	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
14	EQ High Gain	-12dB~+12dB	(52~76)	9	

057 DUAL ROTOR SPEAKER 1~059 DUAL ROTOR SPEAKER 3

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Speed Control	slow, fast	(0~1)	16	
2	Slow-Fast Time of Rotor	0~127	(0~127)	5	
3	Slow-Fast Time of Horn	0~127	(0~127)	6	
4	Rotor Speed Slow	0.0Hz~2.65Hz	(0~63)	1	1
5	Horn Speed Slow	0.0Hz~2.65Hz	(0~63)	2	1
6	Rotor Speed Fast	2.692Hz~39.70Hz	(64~127)	3	1
7	Horn Speed Fast	2.692Hz~39.70Hz	(64~127)	4	1
8	Mic L-R Angle	0deg~180deg	(0~60)	15	
9	Drive Low	0~127	(0~127)	7	
10	Drive High	0~127	(0~127)	8	
11	Low/High Balance	L63>H~L=H~L<H63	(1~127)	9	
12	EQ Low Frequency	32Hz~2.0kHz	(4~40)	11	3
13	EQ Low Gain	-12dB~+12dB	(52~76)	12	
14	EQ High Frequency	500Hz~16.0kHz	(28~58)	13	3
15	EQ High Gain	-12dB~+12dB	(52~76)	14	

060 DISTORTION, 063 OVERDRIVE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Drive	0~127	(0~127)	1	
2	Edge	0~127	(0~127)	11	
3	Output Level	0~127	(0~127)	5	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	2	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	3	
6	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	4	3
7	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	7	3
8	EQ Mid Gain	-12dB~+12dB	(52~76)	8	
9	EQ Mid Width	0.1~12.0	(1~120)	9	
10	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

061 COMP DISTORTION

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Attack	1ms~40ms	(0~19)	12	8
2	Release	10ms~680ms	(0~15)	13	9
3	Threshold	-48dB~-6dB	(79~121)	14	
4	Ratio	1~20.0	(0~7)	15	10
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	2	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	3	
7	Drive	0~127	(0~127)	1	
8	Output Level	0~127	(0~127)	5	
9	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	7	3
10	EQ Mid Gain	-12dB~+12dB	(52~76)	8	
11	EQ Mid Width	0.1~12.0	(1~120)	9	
12	Edge	0~127	(0~127)	11	
13	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	4	3
14	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

062 V-DISTORTION

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Over Drive	0~100%	(0~100)	1	
2	Device	Transistor, Vintage Tube, Dsitortion1, Dsitortion2, Fuzz	(0~4)	2	
3	Speaker Type	Flat, Stack, Combo, Twin, Radio, Megaphone	(0~5)	3	
4	Presence	-10~10	(0~20)	4	
5	Lch Delay Time	0.1ms~1486.0ms	(1~14860)	6	
6	Rch Delay Time	0.1ms~1486.0ms	(1~14860)	7	
7	Feedback Time	0.1ms~1486.0ms	(1~14860)	8	
8	Feedback Level	-63~+63	(1~127)	9	
9	Feedback High Damp	0.1~1.0	(1~10)	12	
10	Dist Output Level	0~100%	(0~100)	5	
11	Delay Mix	0~127	(0~127)	11	
12	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

064 AMP SIMULATOR

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	AMP type	off, stack, combo, tube	(0~3)	2	
2	drive	0~127	(0~127)	1	
3	edge	0~127	(0~127)	11	
4	LPF cutoff frequency	1.0kHz~20.0kHz	(34~60)	3	3
5	output level	0~127	(0~127)	4	

065 AMP SIMULATOR 2

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	AMP type	off, stack, combo, tube, crunch, hi gain, british	(0~3)	2	
2	drive	0~127	(0~127)	1	
3	output level	0~127	(0~127)	4	
4	LPF cutoff frequency	1.0kHz~20.0kHz	(34~60)	3	3
5	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

066 DIST + DELAY, 067 OVERDRIVE + DELAY

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Dist Drive	0~127	(0~127)	6	
2	Dist EQ Low Gain	-12dB~+12dB	(52~76)	8	
3	Dist EQ Mid Gain	-12dB~+12dB	(52~76)	9	
4	Dist Output Level	0~127	(0~127)	7	
5	Delay Time L	0.1ms~1486.0ms	(1~14860)	1	
6	Delay Time R	0.1ms~1486.0ms	(1~14860)	2	
7	Delay Feedback Time	0.1ms~1486.0ms	(1~14860)	3	
8	Delay Feedback Level	-63~+63	(1~127)	4	
9	Delay Mix	0~127	(0~127)	5	
10	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

068 COMPRESSOR

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Attack	1ms~40ms	(0~19)	1	8
2	Release	10ms~680ms	(0~15)	2	9
3	Threshold	-48dB~-6dB	(79~121)	3	
4	Ratio	1~20.0	(0~7)	4	10
5	Output Level	0~127	(0~127)	5	

069 NOISE GATE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Attack	1ms~40ms	(0~19)	1	8
2	Release	10ms~680ms	(0~15)	2	9
3	Threshold	-72dB~-30dB	(55~97)	3	
4	Output Level	0~127	(0~127)	4	

070 COMP + DIST + DELAY~071 COMP + OVERDRIVE + DELAY

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Comp Attack	1ms~40ms	(0~19)	11	8
2	Comp Release	10ms~680ms	(0~15)	12	9
3	Comp Threshold	-48dB~-6dB	(79~121)	13	
4	Comp Ratio	1~20.0	(0~7)	14	10
5	Drive	0~127	(0~127)	4	
6	Drive EQ Low Gain	-12dB~+12dB	(52~76)	6	
7	Drive EQ Mid Gain	-12dB~+12dB	(52~76)	7	
8	Drive Output Level	0~127	(0~127)	5	
9	Delay Time	0.1ms~1486.0ms	(1~14860)	1	
10	Delay Feedback Level	-63~+63	(1~127)	2	
11	Delay Mix	0~127	(0~127)	3	
12	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

072 MULTI BAND COMPRESSOR 1

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Type	Normal, Low, Mid, High, Low/High, Low/Mid, Mid/High, Full Bit, Wild, Attacky, Low End, Hard	(0~11)	1	
2	Threshold Offset	-32~+32	(32~96)	2	
3	Low Gain Offset	-63~+63	(1~127)	3	
4	Mid Gain Offset	-63~+63	(1~127)	4	
5	High Gain Offset	-63~+63	(1~127)	5	

073 MULTI BAND COMPRESSOR 2

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Low Attack	1ms~200ms	(0~29)	1	8
2	Low Release	10ms~3000ms	(0~15)	2	9
3	Low Threshold	-54dB~-6dB	(73~121)	3	
4	Low Ratio	1~20.0	(0~7)	4	10
5	Low Gain	-∞~+18dB	(0~55)	5	14
6	Mid Attack	1ms~200ms	(0~29)	6	8
7	Mid Release	10ms~3000ms	(0~15)	7	9
8	Mid Threshold	-54dB~-6dB	(73~121)	8	
9	Mid Ratio	1~20.0	(0~7)	9	10
10	Mid Gain	-∞~+18dB	(0~55)	10	14
11	High Attack	1ms~200ms	(0~29)	11	8
12	High Release	10ms~3000ms	(0~15)	12	9
13	High Threshold	-54dB~-6dB	(73~121)	13	
14	High Ratio	1~20.0	(0~7)	14	10
15	High Gain	-∞~+18dB	(0~55)	15	14
16	Divide Freq	32Hz, 1.2kHz~630Hz, 10.0kHz	(0~89)	16	15

074 PITCH CHANGE 1~075 PITCH CHANGE 2

In 075 PITCH CHANGE 2, the unit of Fine 1 and Fine 2 (numbers 5 and 6) is cent.

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Pitch	-24~+24	(40~88)	1	
2	Initial Delay	0.1ms~248.9ms	(0~79)	2	7
3	Feedback Level	-63~+63	(1~127)	5	
4	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
5	Fine1	-50~+50	(14~114)	3	
6	Fine2	-50~+50	(14~114)	4	
7	Pan1	L63~C~R63	(1~127)	11	
8	Output Level1	0~127	(0~127)	12	
9	Pan2	L63~C~R63	(1~127)	13	
10	Output Level2	0~127	(0~127)	14	

076 AUTO WAH

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Cutoff Frequency Offset	0~127	(0~127)	3	
4	Resonance	1~12.0	(10~120)	4	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	7	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
8	EQ High Gain	-12dB~+12dB	(52~76)	9	

077 AUTO WAH + DIST~078 AUTO WAH + OVERDRIVE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Cutoff Frequency Offset	0~127	(0~127)	3	
4	Resonance	1~12.0	(10~120)	4	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	7	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
8	EQ High Gain	-12dB~+12dB	(52~76)	9	
9	Drive	0~127	(0~127)	11	
10	Drive Low Gain	-12dB~+12dB	(52~76)	12	
11	Drive Mid Gain	-12dB~+12dB	(52~76)	13	
12	Drive LPF Cutoff Freq	1.0kHz~20.0kHz	(34~60)	14	3
13	Drive Output Level	0~127	(0~127)	15	
14	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

079 TOUCH WAH

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Sensitive	0~127	(0~127)	1	
2	Cutoff Frequency Offset	0~127	(0~127)	2	
3	Resonance	1~12.0	(10~120)	3	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	
8	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

080 TOUCH WAH + DIST~081 TOUCH WAH + OVERDRIVE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Sensitive	0~127	(0~127)	1	
2	Cutoff Frequency Offset	0~127	(0~127)	2	
3	Resonance	1~12.0	(10~120)	3	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	
8	Drive	0~127	(0~127)	11	
9	Drive Low Gain	-12dB~+12dB	(52~76)	12	
10	Drive Mid Gain	-12dB~+12dB	(52~76)	13	
11	Drive LPF Cutoff Freq	1.0kHz~20.0kHz	(34~60)	14	3
12	Drive Output Level	0~127	(0~127)	15	
13	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

082 WAH + DIST + DELAY~083 WAH + OVERDRIVE + DELAY

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Wah Sensitive	0~127	(0~127)	11	
2	Wah Cutoff Frequency	0~127	(0~127)	12	
3	Wah Resonance	1~12.0	(10~120)	13	
4	Wah Release	10ms~680ms	(52~67)	14	12
5	Dist Drive	0~127	(0~127)	4	
6	Dist EQ Low Gain	-12dB~+12dB	(52~76)	6	
7	Dist EQ Mid Gain	-12dB~+12dB	(52~76)	7	
8	Dist Output Level	0~127	(0~127)	5	
9	Delay Time	0.1ms~1486.0ms	(1~14860)	1	
10	Delay Feedback Level	-63~+63	(1~127)	2	
11	Delay Mix	0~127	(0~127)	3	
12	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

084 LO-FI

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Sampling Freq. Control	44.1KHz~344.5Hz	(0~127)	1	
2	Word Length	1~127	(1~127)	2	
3	Output Gain	-6dB~+36dB	(0~42)	3	
4	Filter Type	thru, Power Bass, Radio, Telephone, Clean, Low	(0~5)	5	
5	Pre-LPF Cutoff Freq	63Hz~20.0kHz	(10~60)	4	3
6	Pre-LPF Resonance	1~12.0	(10~120)	6	
7	Bit Assign	0~6	(0~6)	7	
8	Emphasis	off/on	(0~1)	8	
9	Input Mode	mono/stereo	(0~1)	15	
10	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

085 LOW RESOLUTION

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Mod Depth	0~127	(0~127)	1	
2	Mod Delay Offset	1~127	(1~127)	2	
3	Mod Feedback	-63~+63	(1~127)	3	
4	Mod Mix Balance	0~127	(0~127)	5	
5	Resolution	1, 1/2~1/128	(0~7)	4	
6	Phase Inverse R	off, wet	(0~1)	6	
7	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

086 NOISY

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Mod Depth	0~10	(0~10)	2	
2	Mod Speed	0~127	(0~127)	3	
3	Mod Feedback	-63~+63	(1~127)	4	
4	Mod Mix Balance	1~127	(1~127)	7	
5	Drive	0~127	(0~127)	1	
6	AM Speed	0.00Hz~39.7Hz	(0~127)	5	1
7	AM Depth	0~127	(0~127)	6	
8	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	8	3
9	LPF Resonance	1.0~12.0	(10~120)	9	
10	EQ Frequency	100Hz~10.0kHz	(14~54)	10	3
11	EQ Gain	-12~+12dB	(52~76)	11	
12	EQ Width	1.0~12.0	(10~120)	12	
13	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

087 ATTACK LO-FI

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Sensitive	0~127	(0~127)	1	
2	Resolution	1, 1/2~1/32	(0~5)	2	
3	Peak Frequency	100Hz~10.0kHz	(14~54)	3	3
4	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	4	3
5	Flanger Speed	0.00Hz~39.7Hz	(0~127)	5	1
6	Flanger LFO Wave	tri, sine, saw up, saw down	(0~3)	6	
7	Flanger Depth	0~127	(0~127)	7	
8	Flanger Depth Ofst R	-63~+63	(1~127)	8	
9	Flanger Delay	0.1~650.0ms	(1~6500)	9	
10	Flanger Delay Ofst R	0~-884	(0~884)	10	
11	Flanger Feedback	-63~+63	(1~127)	11	
12	Flanger Feedback Ofst R	-63~+63	(1~127)	12	
13	Flanger Feedback HiDamp	0.1~1.0	(1~10)	13	
14	Feedback HiDamp Ofst R	-0.9~+0.9	(1~19)	14	
15	Flanger Mix Balance	1~127	(1~127)	15	
16	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

088 DIGITAL TURNTABLE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Click Density	0~5	(0~5)	1	
2	Click Level	0~127	(0~127)	2	
3	Noise Tone	0~6	(0~6)	3	
4	Dry Send to Noise	0~127	(0~127)	6	
5	Noise Mod Speed	0.00Hz~39.7Hz	(0~127)	4	1
6	Noise Mod Depth	0~127	(0~127)	5	
7	Noise LPF Freq	1.0kHz~20.0kHz	(34~60)	7	3
8	Noise LPF Q	1.0~12.0	(10~120)	8	
9	Noise Level	0~127	(0~127)	9	
10	Dry LPF Frequency	1.0kHz~20.0kHz	(34~60)	10	3
11	Dry Level	0~127	(0~127)	11	

089 DIGITAL SCRATCH

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Input Level	0~127	(0~127)	1	
2	Initial Delay	0.1~460.0ms	(1~4600)	2	
3	Scratch Speed	1~127	(1~127)	3	
4	Scratch Depth	0~127	(0~127)	4	
5	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	10	3
6	Auto Pan Speed	0.00Hz~39.7Hz	(0~127)	5	1
7	Auto Pan Depth	0~127	(0~127)	6	
8	EQ Frequency	100Hz~10.0kHz	(14~54)	7	3
9	EQ Gain	-12~+12dB	(52~76)	8	
10	EQ Width	1.0~12.0	(10~120)	9	
11	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

090 AUTO SYNTH

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Mod Speed	0~127	(0~127)	1	
2	Mod Wave Type	typeA, typeB, typeC, typeD	(0~3)	2	
3	Mod Depth	0~127	(0~127)	3	
4	Mod Depth Ofst R	-63~+63	(1~127)	4	
5	HPF Frequency	20Hz~8.0kHz	(0~52)	6	3
6	LPF Frequency	1.0kHz~20.0kHz	(34~60)	5	3
7	Dry Mix Level	0~127	(0~127)	7	
8	Delay Level	0~127	(0~127)	12	
9	Delay Time	0.1~370.0ms	(1~3700)	8	
10	Delay Time Ofst R	0~884	(0~884)	9	
11	Feedback Level	-63~+63	(1~127)	10	
12	FB Level Ofst R	-63~+63	(1~127)	11	
13	AM Speed	0.00Hz~39.7Hz	(0~127)	13	1
14	AM Wave	tri, sine, saw up, saw down	(0~3)	14	
15	AM Depth	0~127	(0~127)	15	
16	AM Inverse R	normal, inverse	(0~1)	16	

091 TECH MODULATION

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Mod Speed	0~127	(0~127)	1	
2	Mod Depth	0~127	(0~127)	2	
3	Mod Gain	-12~+12dB	(52~76)	4	
4	Mod Mix Balance	D63>W~D=W~D<W63	(1~127)	7	
5	Pre Mod HPF Cutoff Freq	20Hz~8.0kHz	(0~52)	3	3
6	Mod LPF Cutoff Freq	1.0kHz~20.0kHz	(34~60)	5	3
7	Mod LPF Resonance	1.0~12.0	(10~120)	6	
8	Delay Time	0.1~740.0ms	(1~7400)	8	
9	Delay Time Ofst R	0~884	(0~884)	9	
10	Feedback Level	-63~+63	(1~127)	10	
11	Feedback Level Ofst R	-63~+63	(1~127)	11	
12	Feedback Hi Damp	0.1~1.0	(1~10)	12	
13	Feedback Hi Damp Ofst R	-0.9~+0.9	(1~19)	13	
14	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

092 JUMP

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Depth	0~127	(0~127)	1	
2	Speed	0~127	(0~127)	2	
3	Direction	L<>R, L>>R	(0~1)	3	
4	Type	typeA, typeB, typeC	(0~2)	4	
5	Jump Wave Type	typeA, typeB, typeC, typeD	(0~3)	5	
6	Resolution	1, 1/2~1/256	(0~8)	6	
7	HPF Frequency	20Hz~8.0kHz	(0~52)	8	3
8	LPF Frequency	1.0kHz~20.0kHz	(34~60)	7	3
9	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

093 ISOLATION

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	On/off SW	off, on	(0~1)	1	
2	Low Level	0~127	(0~127)	2	
3	Mid Level	0~127	(0~127)	3	
4	High Level	0~127	(0~127)	4	
5	Low Mute	off/on	(0~1)	5	
6	Mid Mute	off/on	(0~1)	6	
7	High Mute	off/on	(0~1)	7	

094 SLICE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Divide Type	4th, 8th, 16th	(0~2)	1	
2	Gate Time	0~100%	(0~100)	2	
3	Pan AEG Type	A~E	(0~4)	3	
4	Pan AEG Min Level	0~127	(0~127)	4	
5	Pan Depth	-63~+63	(1~127)	5	
6	Divide Min Level	0~127	(0~127)	6	
7	Pan Type	A~J	(0~9)	7	
8	Drive	0~127	(0~127)	8	
9	AEG Phase	0~15 (x16th note)	(0~15)	9	
10	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
11	EQ low frequency	32Hz~2.0kHz	(4~40)	13	3
12	EQ low gain	-12dB~+12dB	(52~76)	14	
13	EQ high frequency	500Hz~16.0kHz	(28~58)	15	3
14	EQ high gain	-12dB~+12dB	(52~76)	16	

095 3-BAND EQ

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	EQ Low Frequency	50Hz~2.0kHz	(8~40)	6	3
2	EQ Low Gain	-12dB~+12dB	(52~76)	1	
3	EQ High Frequency	500Hz~16.0kHz	(28~58)	7	3
4	EQ High Gain	-12dB~+12dB	(52~76)	5	
5	EQ Mid Frequency	100H~10.0kHz	(14~54)	2	3
6	EQ Mid Gain	-12dB~+12dB	(52~76)	3	
7	EQ Mid Width	0.1~12.0	(1~120)	4	
8	Input Mode	mono/stereo	(0~1)	15	

096 2-BAND EQ

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	EQ Low Frequency	32Hz~2.0kHz	(4~40)	1	3
2	EQ Low Gain	-12dB~+12dB	(52~76)	2	
3	EQ High Frequency	500Hz~16.0kHz	(28~58)	3	3
4	EQ High Gain	-12dB~+12dB	(52~76)	4	

097 HARMONIC ENHANCER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	HPF Cutoff Frequency	500Hz~16.0kHz	(28~58)	1	3
2	Drive	0~127	(0~127)	2	
3	Mix Level	0~127	(0~127)	3	

098 VOICE CANCEL

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Low Adjust	0~26	(0~26)	11	
2	High Adjust	0~26	(0~26)	12	

099 AMBIENCE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Delay Time	0.0ms~50.0ms	(0~127)	1	2
2	Wet Output Phase	normal/inverse	(0~1)	2	
3	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	7	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	3
7	EQ High Gain	-12dB~+12dB	(52~76)	9	

100 TALKING MODULATOR

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Vowel	a/i/u/e/o	(0~4)	1	
2	Move Speed	1~62	(1~62)	2	
3	Drive	0~127	(0~127)	3	
4	Output Level	0~127	(0~127)	4	

101 BEAT CHANGE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	BeatChange	-63~+63	(1~127)	1	
2	Beat Range	0~12	(0~12)	2	
3	PitchChange	-63~+63	(1~127)	3	
4	Pitch Range	0~12	(0~12)	4	
5	EQ Frequency	32Hz~2.0kHz	(4~40)	6	
6	EQ Gain	-12dB~+12dB	(52~76)	7	
7	EQ Width	1.0~12.0	(10~120)	8	
8	Accuracy Type	sound4~normal~rythm4	(0~8)	5	
9	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

102 RING MODULATOR

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Carrier Freq Coarse	0.5 - 5kHz	(0~127)	1	16
2	Carrier Freq Fine	0~127	(0~127)	2	
3	LFO Wave	tri, sine	(0~1)	3	
4	LFO Depth	0~127	(0~127)	4	
5	LFO Speed	0.0Hz~39.70Hz	(0~127)	5	1
6	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	6	3
7	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	7	3
8	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
9	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
10	EQ Low Gain	-12dB~+12dB	(52~76)	14	
11	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
12	EQ High Gain	-12dB~+12dB	(52~76)	16	

103 DYNAMIC RING MODULATOR

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Sensitivity	0~127	(0~127)	1	
2	HPF Cutoff Frequency	20Hz~8.0kHz	(0~52)	2	3
3	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	3	3
4	Attack Time	0.3ms~227ms	(0~127)	4	17
5	Release Time	2.6ms~2171ms	(0~127)	5	18
6	Release Curve	0~127	(0~127)	6	
7	Direction	up, down	(0~1)	7	
8	Dyna Threshold Level	0~127	(0~127)	8	
9	Dyna Level Offset	0~127	(0~127)	9	
10	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
11	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
12	EQ Low Gain	-12dB~+12dB	(52~76)	14	
13	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
14	EQ High Gain	-12dB~+12dB	(52~76)	16	

104 DYNAMIC FILTER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Filter Type	LPF(12dB), LPF(18dB), LPF(24dB), HPF, BPF, BEF	(0~5)	1	
2	Sensitivity	0~127	(0~127)	2	
3	Dyna Level Offset	0~127	(0~127)	3	
4	Resonance	-16~+111	(0~127)	4	
5	Attack Time	0.3ms~227ms	(0~127)	5	17
6	Release Time	2.6ms~2171ms	(0~127)	6	18
7	Release Curve	0~127	(0~127)	7	
8	Direction	up, down	(0~1)	8	
9	Dyna Threshold Level	0~127	(0~127)	9	
10	Dry/Wet Balance	D63>W~D=W~D<W63	(1~127)	10	
11	EQ Low Frequency	32Hz~2.0kHz	(4~40)	13	3
12	EQ Low Gain	-12dB~+12dB	(52~76)	14	
13	EQ High Frequency	500Hz~16.0kHz	(28~58)	15	3
14	EQ High Gain	-12dB~+12dB	(52~76)	16	

4. Insertin Effect 1/Variation Effect (Performance Mode only)

01 CHORUS 1~08 CELESTE 4

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Input Mode	mono/stereo	(0~1)	9	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	5	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	6	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	7	3
7	EQ High Gain	-12dB~+12dB	(52~76)	8	
8	Delay Offset	0.0ms~50.0ms	(0~127)	4	2
9	Feedback Level	-63~+63	(1~127)	3	
10	Dry / Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

09 FLANGER 1~11 FLANGER 3

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	LFO Phase Difference	-180deg~+180deg	(4~124)	9	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	5	
5	EQ Low Gain	-12dB~+12dB	(52~76)	6	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	7	
7	EQ High Gain	-12dB~+12dB	(52~76)	8	
8	Delay Offset	0.0ms~50.0ms	(0~127)	4	2
9	Feedback Level	-63~+63	(1~127)	3	
10	Dry / Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

12 PHASER 1

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	EQ Low Frequency	32Hz~2.0kHz	(4~40)	6	
4	EQ Low Gain	-12dB~+12dB	(52~76)	7	3
5	EQ High Frequency	500Hz~16.0kHz	(28~58)	8	
6	EQ High Gain	-12dB~+12dB	(52~76)	9	3
7	Stage	4, 5, 6	(4~6)	5	
8	Phase Shift Offset	0~127	(0~127)	3	
9	Feedback Level	-63~+63	(1~127)	4	
10	Dry / Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

13 TREMOLO

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	AM Depth	0~127	(0~127)	2	
3	PM Depth	0~127	(0~127)	3	
4	LFO Phase Difference	-180deg~+180deg	(4~124)	4	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	5	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	6	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	7	3
8	EQ High Gain	-12dB~+12dB	(52~76)	8	
9	Input Mode	mono/stereo	(0~1)	9	

14 AUTO PAN

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	L/R Depth	0~127	(0~127)	2	
3	F/R Depth	0~127	(0~127)	3	
4	PAN Direction	L<>R, L>>R, L<<R, Lturn, Rturn, L/R	(0~5)	4	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	5	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	6	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	7	3
8	EQ High Gain	-12dB~+12dB	(52~76)	8	

15 DISTORTION, 16 OVERDRIVE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Drive	0~127	(0~127)	1	
2	Edge	0~127	(0~127)	8	
3	Output Level	0~127	(0~127)	9	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	2	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	3	
6	LPF Cutoff Frequency	1.0kHz~20.0kHz	(34~60)	7	3
7	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	4	3
8	EQ Mid Gain	-12dB~+12dB	(52~76)	5	
9	EQ Mid Width	0.1~12.0	(1~120)	6	
10	Dry / Wet Balance	D63>W~D=W~D<W63	(1~127)	10	

17 AMP SIMULATOR

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	AMP type	off, stack, combo, tube	(0~3)	2	
2	drive	0~127	(0~127)	1	
3	edge	0~127	(0~127)	4	
4	output level	0~127	(0~127)	5	
5	LPF cutoff frequency	1.0kHz~20.0kHz	(34~60)	3	3
6	Dry / Wet Balance	D63>W~D=W~D<W63	(1~127)	6	

18 AMP SIMULATOR 2

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	AMP type	off, stack, combo, tube, crunch, hi gain, british	(0~3)	2	
2	drive	0~127	(0~127)	1	
3	output level	0~127	(0~127)	4	
4	LPF cutoff frequency	1.0kHz~20.0kHz	(34~60)	3	3
5	Dry / Wet Balance	D63>W~D=W~D<W63	(1~127)	5	

19 COMPRESSOR

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Attack	1ms~40ms	(0~19)	1	8
2	Release	10ms~680ms	(0~15)	2	9
3	Threshold	-48dB~-6dB	(79~121)	3	
4	Ratio	1~20.0	(0~7)	4	10
5	Output Level	0~127	(0~127)	5	

20 NOISE GATE

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Attack	1ms~40ms	(0~19)	1	8
2	Release	10ms~680ms	(0~15)	2	9
3	Threshold	-72dB~-30dB	(55~97)	3	
4	Output Level	0~127	(0~127)	4	

21 AUTO WAH

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	LFO Speed	0.0Hz~39.70Hz	(0~127)	1	1
2	LFO Depth	0~127	(0~127)	2	
3	Cutoff Frequency Offset	0~127	(0~127)	3	
4	Resonance	1~12.0	(10~120)	4	
5	EQ Low Frequency	32Hz~2.0kHz	(4~40)	5	3
6	EQ Low Gain	-12dB~+12dB	(52~76)	6	
7	EQ High Frequency	500Hz~16.0kHz	(28~58)	7	3
8	EQ High Gain	-12dB~+12dB	(52~76)	8	
9	Dry / Wet Balance	D63>W~D=W~D<W63	(1~127)	9	

22 TOUCH WAH

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	Sensitive	0~127	(0~127)	1	
2	Cutoff Frequency Offset	0~127	(0~127)	2	
3	Resonance	1~12.0	(10~120)	3	
4	EQ Low Frequency	32Hz~2.0kHz	(4~40)	4	3
5	EQ Low Gain	-12dB~+12dB	(52~76)	5	
6	EQ High Frequency	500Hz~16.0kHz	(28~58)	6	3
7	EQ High Gain	-12dB~+12dB	(52~76)	7	
9	Dry / Wet Balance	D63>W~D=W~D<W63	(1~127)	8	

23 3-BAND EQ

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	EQ Low Frequency	50Hz~2.0kHz	(8~40)	1	3
2	EQ Low Gain	-12dB~+12dB	(52~76)	2	
3	EQ High Frequency	500Hz~16.0kHz	(28~58)	6	3
4	EQ High Gain	-12dB~+12dB	(52~76)	7	
5	EQ Mid Frequency	100Hz~10.0kHz	(14~54)	3	3
6	EQ Mid Gain	-12dB~+12dB	(52~76)	4	
7	EQ Mid Width	0.1~12.0	(1~120)	5	
8	Input Mode	mono/stereo	(0~1)	8	

24 2-BAND EQ

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	EQ Low Frequency	32Hz~2.0kHz	(4~40)	1	3
2	EQ Low Gain	-12dB~+12dB	(52~76)	2	
3	EQ High Frequency	500H~16.0kHz	(28~58)	3	3
4	EQ High Gain	-12dB~+12dB	(52~76)	4	

25 HARMONIC ENHANCER

No.	Parameter	Range	Value	MIDI Parameter Number	Table
1	HPF Cutoff Frequency	500Hz~16.0kHz	(28~58)	1	3
2	Drive	0~127	(0~127)	2	
3	Mix Level	0~127	(0~127)	3	

Effect Data Assign Table

Table#1
LFO Frequency

Data	Value	Data	Value
0	0.00	64	2.69
1	0.04	65	2.78
2	0.08	66	2.86
3	0.13	67	2.94
4	0.17	68	3.03
5	0.21	69	3.11
6	0.25	70	3.20
7	0.29	71	3.28
8	0.34	72	3.37
9	0.38	73	3.45
10	0.42	74	3.53
11	0.46	75	3.62
12	0.51	76	3.70
13	0.55	77	3.87
14	0.59	78	4.04
15	0.63	79	4.21
16	0.67	80	4.37
17	0.72	81	4.54
18	0.76	82	4.71
19	0.80	83	4.88
20	0.84	84	5.05
21	0.88	85	5.22
22	0.93	86	5.38
23	0.97	87	5.55
24	1.01	88	5.72
25	1.05	89	6.06
26	1.09	90	6.39
27	1.14	91	6.73
28	1.18	92	7.07
29	1.22	93	7.40
30	1.26	94	7.74
31	1.30	95	8.08
32	1.35	96	8.41
33	1.39	97	8.75
34	1.43	98	9.08
35	1.47	99	9.42
36	1.51	100	9.76
37	1.56	101	10.1
38	1.60	102	10.8
39	1.64	103	11.4
40	1.68	104	12.1
41	1.72	105	12.8
42	1.77	106	13.5
43	1.81	107	14.1
44	1.85	108	14.8
45	1.89	109	15.5
46	1.94	110	16.2
47	1.98	111	16.8
48	2.02	112	17.5
49	2.06	113	18.2
50	2.10	114	19.5
51	2.15	115	20.9
52	2.19	116	22.2
53	2.23	117	23.6
54	2.27	118	24.9
55	2.31	119	26.2
56	2.36	120	27.6
57	2.40	121	28.9
58	2.44	122	30.3
59	2.48	123	31.6
60	2.52	124	33.0
61	2.57	125	34.3
62	2.61	126	37.0
63	2.65	127	39.7

Table#2
Modulation Delay Offset

Data	Value	Data	Value
0	0.0	64	6.4
1	0.1	65	6.5
2	0.2	66	6.6
3	0.3	67	6.7
4	0.4	68	6.8
5	0.5	69	6.9
6	0.6	70	7.0
7	0.7	71	7.1
8	0.8	72	7.2
9	0.9	73	7.3
10	1.0	74	7.4
11	1.1	75	7.5
12	1.2	76	7.6
13	1.3	77	7.7
14	1.4	78	7.8
15	1.5	79	7.9
16	1.6	80	8.0
17	1.7	81	8.1
18	1.8	82	8.2
19	1.9	83	8.3
20	2.0	84	8.4
21	2.1	85	8.5
22	2.2	86	8.6
23	2.3	87	8.7
24	2.4	88	8.8
25	2.5	89	8.9
26	2.6	90	9.0
27	2.7	91	9.1
28	2.8	92	9.2
29	2.9	93	9.3
30	3.0	94	9.4
31	3.1	95	9.5
32	3.2	96	9.6
33	3.3	97	9.7
34	3.4	98	9.8
35	3.5	99	9.9
36	3.6	100	10.0
37	3.7	101	11.1
38	3.8	102	12.2
39	3.9	103	13.3
40	4.0	104	14.4
41	4.1	105	15.5
42	4.2	106	17.1
43	4.3	107	18.6
44	4.4	108	20.2
45	4.5	109	21.8
46	4.6	110	23.3
47	4.7	111	24.9
48	4.8	112	26.5
49	4.9	113	28.0
50	5.0	114	29.6
51	5.1	115	31.2
52	5.2	116	32.8
53	5.3	117	34.3
54	5.4	118	35.9
55	5.5	119	37.5
56	5.6	120	39.0
57	5.7	121	40.6
58	5.8	122	42.2
59	5.9	123	43.7
60	6.0	124	45.3
61	6.1	125	46.9
62	6.2	126	48.4
63	6.3	127	50.0

Table#3
EQ Frequency

Data	Value
0	THRU(20)
1	22
2	25
3	28
4	32
5	36
6	40
7	45
8	50
9	56
10	63
11	70
12	80
13	90
14	100
15	110
16	125
17	140
18	160
19	180
20	200
21	225
22	250
23	280
24	315
25	355
26	400
27	450
28	500
29	560
30	630
31	700
32	800
33	900
34	1.0k
35	1.1k
36	1.2k
37	1.4k
38	1.6k
39	1.8k
40	2.0k
41	2.2k
42	2.5k
43	2.8k
44	3.2k
45	3.6k
46	4.0k
47	4.5k
48	5.0k
49	5.6k
50	6.3k
51	7.0k
52	8.0k
53	9.0k
54	10.0k
55	11.0k
56	12.0k
57	14.0k
58	16.0k
59	18.0k
60	THRU(20.0k)

Table#4
Reverb time

Data	Value	Data	Value
0	0.3	64	17.0
1	0.4	65	18.0
2	0.5	66	19.0
3	0.6	67	20.0
4	0.7	68	25.0
5	0.8	69	30.0
6	0.9		
7	1.0		
8	1.1		
9	1.2		
10	1.3		
11	1.4		
12	1.5		
13	1.6		
14	1.7		
15	1.8		
16	1.9		
17	2.0		
18	2.1		
19	2.2		
20	2.3		
21	2.4		
22	2.5		
23	2.6		
24	2.7		
25	2.8		
26	2.9		
27	3.0		
28	3.1		
29	3.2		
30	3.3		
31	3.4		
32	3.5		
33	3.6		
34	3.7		
35	3.8		
36	3.9		
37	4.0		
38	4.1		
39	4.2		
40	4.3		
41	4.4		
42	4.5		
43	4.6		
44	4.7		
45	4.8		
46	4.9		
47	5.0		
48	5.5		
49	6.0		
50	6.5		
51	7.0		
52	7.5		
53	8.0		
54	8.5		
55	9.0		
56	9.5		
57	10.0		
58	11.0		
59	12.0		
60	13.0		
61	14.0		
62	15.0		
63	16.0		

Table#5
Delay Time(200.0ms)

Data	Value	Data	Value
0	0.1	64	100.8
1	1.7	65	102.4
2	3.2	66	104.0
3	4.8	67	105.6
4	6.4	68	107.1
5	8.0	69	108.7
6	9.5	70	110.3
7	11.1	71	111.9
8	12.7	72	113.4
9	14.3	73	115.0
10	15.8	74	116.6
11	17.4	75	118.2
12	19.0	76	119.7
13	20.6	77	121.3
14	22.1	78	122.9
15	23.7	79	124.4
16	25.3	80	126.0
17	26.9	81	127.6
18	28.4	82	129.2
19	30.0	83	130.7
20	31.6	84	132.3
21	33.2	85	133.9
22	34.7	86	135.5
23	36.3	87	137.0
24	37.9	88	138.6
25	39.5	89	140.2
26	41.0	90	141.8
27	42.6	91	143.3
28	44.2	92	144.9
29	45.7	93	146.5
30	47.3	94	148.1
31	48.9	95	149.6
32	50.5	96	151.2
33	52.0	97	152.8
34	53.6	98	154.4
35	55.2	99	155.9
36	56.8	100	157.5
37	58.3	101	159.1
38	59.9	102	160.6
39	61.5	103	162.2
40	63.1	104	163.8
41	64.6	105	165.4
42	66.2	106	166.9
43	67.8	107	168.5
44	69.4	108	170.1
45	70.9	109	171.7
46	72.5	110	173.2
47	74.1	111	174.8
48	75.7	112	176.4
49	77.2	113	178.0
50	78.8	114	179.5
51	80.4	115	181.1
52	81.9	116	182.7
53	83.5	117	184.3
54	85.1	118	185.8
55	86.7	119	187.4
56	88.2	120	189.0
57	89.8	121	190.6
58	91.4	122	192.1
59	93.0	123	193.7
60	94.5	124	195.3
61	96.1	125	196.9
62	97.7	126	198.4
63	99.3	127	200.0

Table#6
Room Size

Data	Value
0	0.1
1	0.3
2	0.4
3	0.6
4	0.7
5	0.9
6	1.0
7	1.2
8	1.4
9	1.5
10	1.7
11	1.8
12	2.0
13	2.1
14	2.3
15	2.5
16	2.6
17	2.8
18	2.9
19	3.1
20	3.2
21	3.4
22	3.5
23	3.7
24	3.9
25	4.0
26	4.2
27	4.3
28	4.5
29	4.6
30	4.8
31	5.0
32	5.1
33	5.3
34	5.4
35	5.6
36	5.7
37	5.9
38	6.1
39	6.2
40	6.4
41	6.5
42	6.7
43	6.8
44	7.0

Table#7
Delay Time(400.0ms)

Data	Value	Data	Value
0	0.1	64	201.6
1	3.2	65	204.8
2	6.4	66	207.9
3	9.5	67	211.1
4	12.7	68	214.2
5	15.8	69	217.4
6	19.0	70	220.5
7	22.1	71	223.7
8	25.3	72	226.8
9	28.4	73	230.0
10	31.6	74	233.1
11	34.7	75	236.3
12	37.9	76	239.4
13	41.0	77	242.6
14	44.2	78	245.7
15	47.3	79	248.9
16	50.5	80	252.0
17	53.6	81	255.2
18	56.8	82	258.3
19	59.9	83	261.5
20	63.1	84	264.6
21	66.2	85	267.7
22	69.4	86	270.9
23	72.5	87	274.0
24	75.7	88	277.2
25	78.8	89	280.3
26	82.0	90	283.5
27	85.1	91	286.6
28	88.3	92	289.8
29	91.4	93	292.9
30	94.6	94	296.1
31	97.7	95	299.2
32	100.9	96	302.4
33	104.0	97	305.5
34	107.2	98	308.7
35	110.3	99	311.8
36	113.5	100	315.0
37	116.6	101	318.1
38	119.8	102	321.3
39	122.9	103	324.4
40	126.1	104	327.6
41	129.2	105	330.7
42	132.4	106	333.9
43	135.5	107	337.0
44	138.6	108	340.2
45	141.8	109	343.3
46	144.9	110	346.5
47	148.1	111	349.6
48	151.2	112	352.8
49	154.4	113	355.9
50	157.5	114	359.1
51	160.7	115	362.2
52	163.8	116	365.4
53	167.0	117	368.5
54	170.1	118	371.7
55	173.3	119	374.8
56	176.4	120	378.0
57	179.6	121	381.1
58	182.7	122	384.3
59	185.9	123	387.4
60	189.0	124	390.6
61	192.2	125	393.7
62	195.3	126	396.9
63	198.5	127	400.0

Table#8
Compressor Attack Time

Data	Value
0	1
1	2
2	3
3	4
4	5
5	6
6	7
7	8
8	9
9	10
10	12
11	14
12	16
13	18
14	20
15	23
16	26
17	30
18	35
19	40
20	50
21	60
22	70
23	80
24	100
25	120
26	140
27	160
28	180
29	200

Table#9
Compressor Release Time

Data	Value
0	10
1	15
2	25
3	35
4	45
5	55
6	65
7	75
8	85
9	100
10	115
11	140
12	170
13	230
14	340
15	680
16	850
17	1000
18	1200
19	1500
20	1700
21	2000
22	2400
23	3000

Table#10
Compressor Ratio

Data	Value
0	1
1	1.5
2	2
3	3
4	5
5	7
6	10
7	20

Table#11
Reverb Width;Depth;Height

Data	Value	Data	Value
0	0.5	64	17.6
1	0.8	65	17.9
2	1.0	66	18.2
3	1.3	67	18.5
4	1.5	68	18.8
5	1.8	69	19.1
6	2.0	70	19.4
7	2.3	71	19.7
8	2.6	72	20.0
9	2.8	73	20.2
10	3.1	74	20.5
11	3.3	75	20.8
12	3.6	76	21.1
13	3.9	77	21.4
14	4.1	78	21.7
15	4.4	79	22.0
16	4.6	80	22.4
17	4.9	81	22.7
18	5.2	82	23.0
19	5.4	83	23.3
20	5.7	84	23.6
21	5.9	85	23.9
22	6.2	86	24.2
23	6.5	87	24.5
24	6.7	88	24.9
25	7.0	89	25.2
26	7.2	90	25.5
27	7.5	91	25.8
28	7.8	92	26.1
29	8.0	93	26.5
30	8.3	94	26.8
31	8.6	95	27.1
32	8.8	96	27.5
33	9.1	97	27.8
34	9.4	98	28.1
35	9.6	99	28.5
36	9.9	100	28.8
37	10.2	101	29.2
38	10.4	102	29.5
39	10.7	103	29.9
40	11.0	104	30.2
41	11.2		
42	11.5		
43	11.8		
44	12.1		
45	12.3		
46	12.6		
47	12.9		
48	13.1		
49	13.4		
50	13.7		
51	14.0		
52	14.2		
53	14.5		
54	14.8		
55	15.1		
56	15.4		
57	15.6		
58	15.9		
59	16.2		
60	16.5		
61	16.8		
62	17.1		
63	17.3		

Table#12
Wah Release Time

Data	Value
52	10
53	15
54	25
55	35
56	45
57	55
58	65
59	75
60	85
61	100
62	115
63	140
64	170
65	230
66	340
67	680

Table#13
LO-FI Sampling Frequency Control

Data	Value	Data	Value
0	44.1k	64	678.5
1	22.1k	65	668.2
2	14.7k	66	658.2
3	11.0k	67	648.5
4	8.82k	68	639.1
5	7.35k	69	630.0
6	6.30k	70	621.1
7	5.51k	71	612.5
8	4.90k	72	604.1
9	4.41k	73	595.9
10	4.01k	74	588.0
11	3.68k	75	580.3
12	3.39k	76	572.7
13	3.15k	77	565.4
14	2.94k	78	558.2
15	2.76k	79	551.3
16	2.59k	80	544.4
17	2.45k	81	537.8
18	2.32k	82	531.3
19	2.21k	83	525.0
20	2.10k	84	518.8
21	2.00k	85	512.8
22	1.92k	86	506.9
23	1.84k	87	501.1
24	1.76k	88	495.5
25	1.70k	89	490.0
26	1.63k	90	484.6
27	1.58k	91	479.3
28	1.52k	92	474.2
29	1.47k	93	469.1
30	1.42k	94	464.2
31	1.38k	95	459.4
32	1.34k	96	454.6
33	1.30k	97	450.0
34	1.26k	98	445.5
35	1.23k	99	441.0
36	1.19k	100	436.6
37	1.16k	101	432.4
38	1.13k	102	428.2
39	1.10k	103	424.0
40	1.08k	104	420.0
41	1.05k	105	416.0
42	1.03k	106	412.1
43	1.00k	107	408.3
44	980.0	108	404.6
45	958.7	109	400.9
46	938.3	110	397.3
47	918.8	111	393.8
48	900.0	112	390.3
49	882.0	113	386.8
50	864.7	114	383.5
51	848.1	115	380.2
52	832.1	116	376.9
53	816.7	117	373.7
54	801.8	118	370.6
55	787.5	119	367.5
56	773.7	120	364.5
57	760.3	121	361.5
58	747.5	122	358.5
59	735.0	123	355.6
60	723.0	124	352.8
61	711.3	125	350.0
62	700.0	126	347.2
63	689.1	127	344.5

Table#14
Multi Compressor Gain

Data	Value
0	-∞
1	-60
2	-57
3	-54
4	-51
5	-48
6	-45
7	-42
8	-39
9	-36
10	-33
11	-30
12	-27
13	-24
14	-23
15	-22
16	-21
17	-20
18	-19
19	-18
20	-17
21	-16
22	-15
23	-14
24	-13
25	-12
26	-11
27	-10
28	-9
29	-8
30	-7
31	-6
32	-5
33	-4
34	-3
35	-2
36	-1
37	0
38	1
39	2
40	3
41	4
42	5
43	6
44	7
45	8
46	9
47	10
48	11
49	12
50	13
51	14
52	15
53	16
54	17
55	18

Table#15
Divide Frequency

Data	Value1	value2	Data	Value1	value2
0	32	1.2k	64	315	3.2k
1	32	1.6k	65	315	4.0k
2	32	2.0k	66	315	5.0k
3	32	2.5k	67	315	6.3k
4	32	3.2k	68	315	8.0k
5	32	4.0k	69	315	10.0k
6	32	5.0k	70	500	1.2k
7	32	6.3k	71	500	1.6k
8	32	8.0k	72	500	2.0k
9	32	10.0k	73	500	2.5k
10	63	1.2k	74	500	3.2k
11	63	1.6k	75	500	4.0k
12	63	2.0k	76	500	5.0k
13	63	2.5k	77	500	6.3k
14	63	3.2k	78	500	8.0k
15	63	4.0k	79	500	10.0k
16	63	5.0k	80	630	1.2k
17	63	6.3k	81	630	1.6k
18	63	8.0k	82	630	2.0k
19	63	10.0k	83	630	2.5k
20	80	1.2k	84	630	3.2k
21	80	1.6k	85	630	4.0k
22	80	2.0k	86	630	5.0k
23	80	2.5k	87	630	6.3k
24	80	3.2k	88	630	8.0k
25	80	4.0k	89	630	10.0k
26	80	5.0k			
27	80	6.3k			
28	80	8.0k			
29	80	10.0k			
30	125	1.2k			
31	125	1.6k			
32	125	2.0k			
33	125	2.5k			
34	125	3.2k			
35	125	4.0k			
36	125	5.0k			
37	125	6.3k			
38	125	8.0k			
39	125	10.0k			
40	160	1.2k			
41	160	1.6k			
42	160	2.0k			
43	160	2.5k			
44	160	3.2k			
45	160	4.0k			
46	160	5.0k			
47	160	6.3k			
48	160	8.0k			
49	160	10.0k			
50	250	1.2k			
51	250	1.6k			
52	250	2.0k			
53	250	2.5k			
54	250	3.2k			
55	250	4.0k			
56	250	5.0k			
57	250	6.3k			
58	250	8.0k			
59	250	10.0k			
60	315	1.2k			
61	315	1.6k			
62	315	2.0k			
63	315	2.5k			

Table#16
Carrier Frequency Coarse

Data	Value	Data	Value
0	0.5	64	152
1	1.5	65	160
2	2.0	66	169
3	2.5	67	179
4	3.5	68	189
5	4.0	69	200
6	4.5	70	211
7	5.5	71	224
8	6.0	72	236
9	6.5	73	250
10	7.5	74	264
11	8.0	75	279
12	8.5	76	295
13	8.9	77	312
14	9.4	78	330
15	10.0	79	348
16	10.6	80	368
17	11.2	81	389
18	11.8	82	412
19	12.5	83	435
20	13.2	84	460
21	13.9	85	486
22	14.7	86	514
23	15.6	87	543
24	16.5	88	574
25	17.4	89	607
26	18.4	90	642
27	19.4	91	678
28	20.6	92	717
29	21.7	93	758
30	23.0	94	801
31	24.3	95	847
32	25.7	96	895
33	27.1	97	946
34	28.7	98	1.00k
35	30.3	99	1.05k
36	32.0	100	1.11k
37	33.9	101	1.18k
38	35.8	102	1.24k
39	37.8	103	1.32k
40	40.0	104	1.39k
41	42.3	105	1.47k
42	44.7	106	1.55k
43	47.3	107	1.64k
44	49.9	108	1.74k
45	52.8	109	1.84k
46	55.8	110	1.94k
47	59.0	111	2.05k
48	62.4	112	2.17k
49	65.9	113	2.29k
50	69.7	114	2.43k
51	73.7	115	2.56k
52	77.9	116	2.71k
53	82.3	117	2.87k
54	87.0	118	3.03k
55	92.0	119	3.20k
56	97.2	120	3.39k
57	103	121	3.58k
58	109	122	3.79k
59	115	123	4.00k
60	121	124	4.23k
61	128	125	4.47k
62	136	126	4.73k
63	143	127	5.00k

Table#17
Dynamic Attack Time

Data	Value	Data	Value
0	0.3	64	112
1	0.9	65	114
2	1.8	66	116
3	2.7	67	118
4	3.6	68	120
5	5.4	69	121
6	7.2	70	123
7	9.0	71	125
8	10	72	127
9	12	73	129
10	14	74	130
11	16	75	132
12	18	76	134
13	20	77	136
14	21	78	138
15	23	79	140
16	25	80	141
17	27	81	143
18	29	82	145
19	30	83	147
20	32	84	149
21	34	85	150
22	36	86	152
23	38	87	154
24	40	88	156
25	41	89	158
26	43	90	160
27	45	91	161
28	47	92	163
29	49	93	165
30	50	94	167
31	52	95	169
32	54	96	170
33	56	97	172
34	58	98	174
35	60	99	176
36	61	100	178
37	63	101	180
38	65	102	181
39	67	103	183
40	69	104	185
41	70	105	187
42	72	106	189
43	74	107	190
44	76	108	192
45	78	109	194
46	80	110	196
47	81	111	198
48	83	112	200
49	85	113	201
50	87	114	203
51	89	115	205
52	90	116	207
53	92	117	209
54	94	118	210
55	96	119	212
56	98	120	214
57	100	121	216
58	101	122	218
59	103	123	220
60	105	124	221
61	107	125	223
62	109	126	225
63	110	127	227

Table#18
Dynamic Release Time

Data	Value	Data	Value
0	2.6	64	369
1	3.0	65	391
2	3.4	66	413
3	3.9	67	434
4	4.3	68	456
5	4.7	69	478
6	5.2	70	499
7	5.6	71	521
8	6.0	72	543
9	6.5	73	565
10	6.9	74	586
11	7.3	75	608
12	7.8	76	630
13	8.2	77	651
14	8.6	78	673
15	13	79	695
16	17	80	717
17	22	81	738
18	26	82	760
19	30	83	782
20	35	84	803
21	39	85	825
22	43	86	847
23	48	87	869
24	52	88	890
25	56	89	912
26	61	90	934
27	65	91	955
28	69	92	977
29	74	93	999
30	78	94	1021
31	83	95	1042
32	87	96	1064
33	91	97	1086
34	96	98	1107
35	100	99	1129
36	104	100	1151
37	109	101	1173
38	113	102	1194
39	117	103	1216
40	122	104	1238
41	126	105	1259
42	130	106	1281
43	135	107	1303
44	139	108	1346
45	143	109	1390
46	148	110	1433
47	152	111	1477
48	156	112	1520
49	161	113	1563
50	165	114	1607
51	169	115	1650
52	174	116	1694
53	178	117	1737
54	182	118	1781
55	187	119	1824
56	195	120	1867
57	217	121	1911
58	239	122	1954
59	261	123	1998
60	282	124	2041
61	304	125	2085
62	326	126	2128
63	347	127	2171

Table#19
Delay Time (740.0ms)

Data	Value	Data	Value
0	1	64	1950
1	2	65	2000
2	5	66	2050
3	10	67	2100
4	15	68	2150
5	20	69	2200
6	30	70	2250
7	40	71	2300
8	50	72	2350
9	60	73	2400
10	70	74	2450
11	80	75	2500
12	90	76	2550
13	100	77	2600
14	110	78	2650
15	120	79	2700
16	130	80	2750
17	140	81	2800
18	150	82	2850
19	160	83	2900
20	170	84	2950
21	180	85	3000
22	190	86	3100
23	200	87	3200
24	220	88	3300
25	240	89	3400
26	260	90	3500
27	280	91	3600
28	300	92	3700
29	320	93	3800
30	340	94	3900
31	360	95	4000
32	380	96	4100
33	400	97	4200
34	450	98	4300
35	500	99	4400
36	550	100	4500
37	600	101	4600
38	650	102	4700
39	700	103	4800
40	750	104	4900
41	800	105	5000
42	850	106	5100
43	900	107	5200
44	950	108	5300
45	1000	109	5400
46	1050	110	5500
47	1100	111	5600
48	1150	112	5700
49	1200	113	5800
50	1250	114	5900
51	1300	115	6000
52	1350	116	6100
53	1400	117	6200
54	1450	118	6300
55	1500	119	6400
56	1550	120	6500
57	1600	121	6600
58	1650	122	6700
59	1700	123	6800
60	1750	124	6900
61	1800	125	7000
62	1850	126	7200
63	1900	127	7400

Table#20
Delay Time (1480.0ms)

Data	Value	Data	Value
0	1	64	4100
1	2	65	4200
2	5	66	4300
3	10	67	4400
4	15	68	4500
5	20	69	4600
6	30	70	4700
7	40	71	4800
8	50	72	4900
9	60	73	5000
10	70	74	5100
11	80	75	5200
12	90	76	5300
13	100	77	5400
14	120	78	5500
15	140	79	5600
16	160	80	5700
17	180	81	5800
18	200	82	5900
19	220	83	6000
20	240	84	6200
21	260	85	6400
22	280	86	6600
23	300	87	6800
24	350	88	7000
25	400	89	7200
26	450	90	7400
27	500	91	7600
28	550	92	7800
29	600	93	8000
30	700	94	8200
31	800	95	8400
32	900	96	8600
33	1000	97	8800
34	1100	98	9000
35	1200	99	9200
36	1300	100	9400
37	1400	101	9600
38	1500	102	9800
39	1600	103	10000
40	1700	104	10200
41	1800	105	10400
42	1900	106	10600
43	2000	107	10800
44	2100	108	11000
45	2200	109	11200
46	2300	110	11400
47	2400	111	11600
48	2500	112	11800
49	2600	113	12000
50	2700	114	12200
51	2800	115	12400
52	2900	116	12600
53	3000	117	12800
54	3100	118	13000
55	3200	119	13200
56	3300	120	13400
57	3400	121	13600
58	3500	122	13800
59	3600	123	14000
60	3700	124	14200
61	3800	125	14400
62	3900	126	14600
63	4000	127	14800

Control List

Assign A/B DESTINATION

No.	Display	Description
0	"off"	off
1	"EQLow-G"	MEQ Low Gain
2	"EQLow-F"	MEQ Low Frequency
3	"EQLow-Q"	MEQ Low Q
4	"EQLoM-G"	MEQ Low Mid Gain
5	"EQLoM-F"	MEQ Low Mid Frequency
6	"EQLoM-Q"	MEQ Low Mid Q
7	"EQMid-G"	MEQ Mid Gain
8	"EQMid-F"	MEQ Mid Frequency
9	"EQMid-Q"	MEQ Mid Q
10	"EQHiM-G"	MEQ High Mid Gain
11	"EQHiM-F"	MEQ High Mid Frequency
12	"EQHiM-Q"	MEQ High Mid Q
13	"EQHighG"	MEQ High Gain
14	"EQHighF"	MEQ High Frequency
15	"EQHighQ"	MEQ High Q
16	"REV-P1"	Reverb Parameter 1
:	:	:
25	"REV-P10"	Reverb Parameter 10
26	"REV-Rtn"	Reverb Return
27	"REV-Pan"	Reverb Pan
28	"CHO-P1"	Chorus Parameter 1
:	:	:
37	"CHO-P10"	Chorus Parameter 10
38	"CHO-Rtn"	Chorus Return
39	"CHO-Pan"	Chorus Pan
40	"Cho>Rev"	Send Chorus To Reverb
41	"Cho-Ctl"	Chorus Control
42	"ARP-Typ"	Arpeggio Type
43	"ARP-Unt"	Arpeggio Unit Multiply
44	"ARP-Vel"	Arpeggio Velocity Rate
45	"ARP-Gat"	Arpeggio Gate Time Rate
46	"Tempo"	Arpeggio/Sequencer Tempo
47	"AEG-Atk"	AEG Attack Time
48	"AEG-Dcy"	AEG Decay Time
49	"AEG-Sus"	AEG Sustain Level
50	"AEG-Rel"	AEG Release Time
47	"FEG-Atk"	FEG Attack Time
48	"FEG-Dcy"	FEG Decay Time
49	"FEG-Rel"	FEG Release Time
50	"FEG-Dpt"	FEG Depth
51	"Cutoff"	Cutoff Frequency
52	"Reso"	Resonance

VOICE CONTROL SET DESTINATION

No.	Display	Description	Normal	Other
0	"off"	off	○	○
1	"Volume"	Voice Volume	○	○
2	"RevSend"	Reverb Send	○	○
3	"ChoSend"	Chorus Send	○	○
4	"INS1-P1"	Insertion Effect 1 Parameter 1	○	○
:	:	:	:	:
13	"INS1P10"	Insertion Effect 1 Parameter 10	○	○
14	"INS2-P1"	Insertion Effect 2 Parameter 1	○	○
:	:	:	:	:
29	"INS2P16"	Insertion Effect 2 Parameter 16	○	○
30	"CLFOSpd"	Common LFO Speed	○	×
31	"CLFO-D1"	Common LFO Depth1	○	×
32	"CLFO-D2"	Common LFO Depth2	○	×
33	"PorTime"	Portamento Time	○	×
34	"ELM-Lvl"	Element Level	○	×
35	"ELM-Pan"	Element Pan	○	×
36	"ELM-Dly"	Element Key On Delay	○	×
37	"ELFOSpd"	Element LFO Speed	○	×
38	"ELFO-PM"	Element LFO Pitch Modulation Depth	○	×
39	"ELFO-AM"	Element LFO Amplitude Modulation Depth	○	×
40	"ELFO-FM"	Element LFO Filter Modulation Depth	○	×
41	"PCH-Crs"	Element Pitch Coarse	○	×
42	"PCH-Fin"	Element Pitch Fine	○	×
43	"PEG-Dpt"	Element Pitch EG Depth	○	×
44	"PEG-Hld"	Element Pitch EG Hold Time	○	×
45	"PEG-Atk"	Element Pitch EG Attack Time	○	×
46	"PEG-D1"	Element Pitch EG Decay1 Time	○	×
47	"PEG-D2"	Element Pitch EG Decay2 Time	○	×
48	"PEG-Rel"	Element Pitch EG Release Time	○	×
49	"AEG-Atk"	Element Amplitude EG Attack Time	○	×
50	"AEG-D1"	Element Amplitude EG Decay1 Time	○	×
51	"AEG-D2"	Element Amplitude EG Decay2 Time	○	×
52	"AEG-Rel"	Element Amplitude EG Release Time	○	×
53	"FEG-Dpt"	Element Filter EG Depth	○	×
54	"FEG-Hld"	Element Filter EG Hold Time	○	×
55	"FEG-Atk"	Element Filter EG Attack Time	○	×
56	"FEG-D1"	Element Filter EG Decay1 Time	○	×
57	"FEG-D2"	Element Filter EG Decay2 Time	○	×
58	"FEG-Rel"	Element Filter EG Release Time	○	×
59	"FLT-Frq"	Element Filter Cutoff Frequency	○	×
60	"FLT-Rez"	Element Filter Resonance	○	×
61	"HPF-Frq"	Element HPF Cutoff Frequency	○	×
62	"CLFO-D3"	Common LFO Depth3	○	×

Arpeggio Type List

Preset1

No.	Name	Type
1	UpOct1	Sq
2	UpOct2	Sq
3	UpOct4	Sq
4	DownOct1	Sq
5	DownOct2	Sq
6	DownOct4	Sq
7	U/DAOct1	Sq
8	U/DAOct2	Sq
9	U/DAOct4	Sq
10	U/DBOct1	Sq
11	U/DBOct2	Sq
12	U/DBOct4	Sq
13	RndmOct1	Sq
14	RndmOct2	Sq
15	RndmOct4	Sq
16	Oct2Up	Sq
17	Oct4Up	Sq
18	UnisonUp	Sq
19	Up&Down1	Sq
20	Up&Down2	Sq
21	Up&Down4	Sq
22	Up&Alt1	Sq
23	Up&Rndm1	Sq
24	Up&Rndm2	Sq
25	Up&Rndm4	Sq
26	ChdAltB1	Sq
27	ChdAltB2	Sq
28	ChdAltB4	Sq
29	ChdRndm1	Sq
30	ChdRndm2	Sq
31	ChdRndm4	Sq
32	Techno A	Ph
33	Techno B	Ph
34	Techno C	Ph
35	DAHouse	Ph
36	SyncopaA	Ph
37	SyncopaB	Ph
38	SyncpEco	Ph
39	TekEchoA	Ph
40	TekEchoB	Ph
41	PulsLine	Ph
42	SeqS&H A	Ph
43	SeqS&H B	Ph
44	CleanGtA	Ph
45	CleanGtB	Ph
46	CleanGtC	Ph
47	CleanGtD	Ph
48	Pno16Bt	Ph
49	PnoLatin	Ph
50	GruvBass	Ph
51	Ocean	Ph
52	Orbit	Ph
53	X-SweepA	Ph
54	X-SweepB	Ph
55	X-SweepC	Ph
56	Lamb	Ph
57	Thips	Ph
58	Hardcore	Ph
59	Harmo	Ph
60	Ascorbic	Ph
61	Doves	Ph
62	Chodal	Ph
63	Simple	Ph
64	Waggle	Ph

No.	Name	Type
65	SuperArp	Ph
66	MuteArpA	Ph
67	MuteArpB	Ph
68	VelGruvA	Ph
69	VelGruvB	Ph
70	SpaceArp	Ph
71	MuteLine	Ph
72	StepLine	Ph
73	AcidLine	Ph
74	SplitArp	Ph
75	Step Seq	Ph
76	PolyArpA	Ph
77	PolyArpB	Ph
78	Ana Seq	Ph
79	Planet	Ph
80	Rosync	Ph
81	StrumArp	Ph
82	Guit1Arp	Ph
83	RolliArp	Ph
84	Guit2Arp	Ph
85	Guit3Arp	Ph
86	Guit4Arp	Ph
87	Harp Arp	Ph
88	BigBeatA	Dr
89	BigBeatB	Dr
90	BigBeatC	Dr
91	BigBeatD	Dr
92	Rock A	Dr
93	Rock B	Dr
94	Rock C	Dr
95	BigBeatE	Dr
96	BigBeatF	Dr
97	BigBeatG	Dr
98	BigBeatH	Dr
99	BigBeatI	Dr
100	BrkTrnce	Dr
101	House A	Dr
102	House B	Dr
103	House C	Dr
104	Garage	Dr
105	House D	Dr
106	House E	Dr
107	HipHop A	Dr
108	JazzHop	Dr
109	Abstract	Dr
110	LoBeat A	Dr
111	LoBeat B	Dr
112	LoBeat C	Dr
113	LoBeat D	Dr
114	LoBeat E	Dr
115	LoBeat F	Dr
116	DrumnBsA	Dr
117	DrumnBsB	Dr
118	Linear	Dr
119	08beat A	Sp
120	08beat B	Sp
121	08beat C	Sp
122	16beat A	Sp
123	16beat B	Sp
124	1Bar	Sp
125	1BarRndm	Sp
126	GateCutA	Ct
127	GateCutB	Ct
128	GateCutC	Ct

Preset2

No.	Name	Type
1	Strum A	Ph
2	Strum B	Ph
3	Strum C	Ph
4	Strum D	Ph
5	Strum E	Ph
6	Strum F	Ph
7	Strum G	Ph
8	Strum H	Ph
9	Strum I	Ph
10	Strum J	Ph
11	LatinPHA	Ph
12	LatinPHB	Ph
13	LatinPHC	Ph
14	Funky A	Ph
15	Funky B	Ph
16	Funky C	Ph
17	Funky D	Ph
18	RockGtrA	Ph
19	RockGtrB	Ph
20	RockGtrC	Ph
21	Lick A	Ph
22	Lick B	Ph
23	Lick C	Ph
24	Lick D	Ph
25	Lick E	Ph
26	Lick F	Ph
27	News A	Ph
28	News B	Ph
29	Fugue	Ph
30	AcidBs A	Ph
31	AcidBs B	Ph
32	SlapBs A	Ph
33	SlapBs B	Ph
34	Walkin	Ph
35	Trill A	Ph
36	Trill B	Ph
37	Trill C	Ph
38	FlutterA	Ph
39	FlutterB	Ph
40	FlutterC	Ph
41	Flute A	Ph
42	Flute B	Ph
43	Flute C	Ph
44	Cresendo	Ph
45	MOD A	Ph
46	MOD B	Ph
47	MOD C	Ph
48	Pickin A	Ph
49	Pickin B	Ph
50	Pickin C	Ph
51	ArmDown	Ct
52	BendVib	Ct
53	BotDwVib	Ct
54	BotUpVib	Ct
55	CHVib	Ct
56	HamVib	Ct
57	PullVibA	Ct
58	PullVibB	Ct
59	SlideVib	Ct
60	Trill D	Ct
61	Trill E	Ct
62	UDCHVib	Ct
63	Vibra A	Ct
64	Vibra B	Ct

No.	Name	Type
65	FlipHopA	Dr
66	FlipHopB	Dr
67	FlipHopC	Dr
68	FlipHopD	Dr
69	GangstaA	Dr
70	GangstaB	Dr
71	GangstaC	Dr
72	GangstaD	Dr
73	i-Hop A	Dr
74	i-Hop B	Dr
75	i-Hop C	Dr
76	i-Hop D	Dr
77	R&BSmthA	Dr
78	R&BSmthB	Dr
79	R&BSmthC	Dr
80	R&BSmthD	Dr
81	House F	Dr
82	House G	Dr
83	House H	Dr
84	Funk A	Dr
85	Funk B	Dr
86	Funk C	Dr
87	Funk D	Dr
88	Gospel A	Dr
89	Gospel B	Dr
90	Bebop A	Dr
91	Bebop B	Dr
92	PopRckAA	Dr
93	PopRckAB	Dr
94	PopRckAC	Dr
95	PopRckAD	Dr
96	PopRckBA	Dr
97	PopRckBB	Dr
98	PopRckBC	Dr
99	PopRckBD	Dr
100	MondoRkA	Dr
101	MondoRkB	Dr
102	MondoRkC	Dr
103	MondoRkD	Dr
104	BalladAA	Dr
105	BalladAB	Dr
106	BalladAC	Dr
107	BalladAD	Dr
108	BalladBA	Dr
109	BalladBB	Dr
110	Roll A	Dr
111	Roll B	Dr
112	Roll C	Dr
113	Roll D	Dr
114	Latin A	Dr
115	Latin B	Dr
116	Latin C	Dr
117	Latin D	Dr
118	Latin E	Dr
119	DrumnBsC	Dr
120	DrumnBsD	Dr
121	DrumnBsE	Dr
122	DrumnBsF	Dr
123	DrumnBsG	Dr
124	EuroTekA	Dr
125	EuroTekB	Dr
126	EuroTekC	Dr
127	EuroTekD	Dr
128	EuroTekE	Dr

Preset Phrase List

No.	Name
1	FlipHop1
2	FlipHop2
3	FlipHop3
4	FlipHop4
5	FlipHop5
6	FlipHop6
7	FlipHop7
8	FlipHop8
9	Gangsta1
10	Gangsta2
11	Gangsta3
12	Gangsta4
13	Gangsta5
14	Gangsta6
15	Gangsta7
16	Gangsta8
17	i-Hop__1
18	i-Hop__2
19	i-Hop__3
20	i-Hop__4
21	i-Hop__5
22	i-Hop__6
23	i-Hop__7
24	i-Hop__8
25	R&BSmth1
26	R&BSmth2
27	R&BSmth3
28	R&BSmth4
29	R&BSmth5
30	R&BSmth6
31	R&BSmth7
32	R&BSmth8
33	House__1
34	House__2
35	House__3
36	House__4
37	House__5
38	House__6
39	House__7
40	House__8
41	Funk___1
42	Funk___2
43	Funk___3
44	Funk___4
45	Funk___5
46	Funk___6
47	Funk___7
48	Funk___8
49	Gospel_1
50	Gospel_2
51	Gospel_3
52	Gospel_4
53	Gospel_5
54	Gospel_6
55	Gospel_7
56	Gospel_8
57	Bebop__1
58	Bebop__2
59	Bebop__3
60	Bebop__4
61	Bebop__5
62	Bebop__6
63	Bebop__7
64	Bebop__8

No.	Name
65	PopRckA1
66	PopRckA2
67	PopRckA3
68	PopRckA4
69	PopRckA5
70	PopRckA6
71	PopRckA7
72	PopRckA8
73	PopRckB1
74	PopRckB2
75	PopRckB3
76	PopRckB4
77	PopRckB5
78	PopRckB6
79	PopRckB7
80	PopRckB8
81	MondoRk1
82	MondoRk2
83	MondoRk3
84	MondoRk4
85	MondoRk5
86	MondoRk6
87	MondoRk7
88	MondoRk8
89	BalladA1
90	BalladA2
91	BalladA3
92	BalladA4
93	BalladA5
94	BalladA6
95	BalladA7
96	BalladA8
97	BalladB1
98	BalladB2
99	BalladB3
100	BalladB4
101	BalladB5
102	BalladB6
103	BalladB7
104	BalladB8
105	Latin__1
106	Latin__2
107	Latin__3
108	Latin__4
109	Latin__5
110	Latin__6
111	Latin__7
112	Latin__8
113	DrumnBs1
114	DrumnBs2
115	DrumnBs3
116	DrumnBs4
117	DrumnBs5
118	DrumnBs6
119	DrumnBs7
120	DrumnBs8
121	EuroTek1
122	EuroTek2
123	EuroTek3
124	EuroTek4
125	EuroTek5
126	EuroTek6
127	EuroTek7
128	EuroTek8

About MIDI

MIDI is an acronym that stands for Musical Instrument Digital Interface, which allows electronic musical instruments to "communicate" with each other, by sending and receiving compatible Note, Control Change, Program Change and various other types of MIDI data, or messages.
The MOTIF6/7/8 can control a MIDI device by transmitting note related data and various types of controller data. The MOTIF6/7/8 can be controlled by the incoming MIDI messages which automatically select MIDI channels, voices and effects, change parameter values, and of course play the voices specified for the various Parts in a Performance.

MIDI Messages Transmitted/Received by the MOTIF6/7/8

The MIDI messages can be divided into two groups: the Channel Messages and System Messages. Below is a brief explanation of the various types of MIDI messages which the MOTIF6/7/8 can receive/transmit.

CHANNEL MESSAGES

The Channel Messages are the data related to the performance on the keyboard for the specific channel.

- **Note On/Note Off (Key On/Key Off)**
  Messages which are generated when the keyboard is played. Each message includes a specific note number which corresponds to the key which is pressed, plus a velocity value based on how hard the key is struck.
- **Control Change**
  Control Change messages let you select a voice bank (Bank Select), control volume, panning, modulation, portamento time, brightness and various other controller parameters, through specific Control Change numbers which correspond to each of the various parameters.
- **Program Change**
  Messages which voice to select for each Part. With a combination of Bank Select, you can select not only basic voice numbers, but also variation voice bank numbers.
- **Channel Aftertouch**
  Messages which let you control the sounds by the pressure you apply to the keys after the initial striking of the keys, over the entire channel.
- **Polyphonic Key Pressure**
  Messages which let you control the sounds by the pressure you apply to the keys after the initial striking of the keys, for each individual key. The internal sequencer (MOTIF6/7/8) can send this message.
- **Pitch Bend**
  Pitch Bend messages are continuous controller messages that allow the pitch of designated notes to be raised or lowered by a specified amount over a specified duration.

SYSTEM MESSAGES

The System Messages are the data related to the overall system of the device.

- **Exclusive Messages**
  Exclusive messages control various functions of the MOTIF6/7/8, including bulk dump, master volume and master tuning, effect type and various other parameters.
- **Realtime Messages**
  Messages which control the sequencer including Start, Stop, Continue, MIDI clock and Active Sensing messages.
- **Common Messages**
  Messages which also control the sequencer including Song Select and Song Position Pointer messages.

MIDI Data Format

Many MIDI messages listed in the MIDI Data Format section are expressed in hexadecimal or binary numbers. Hexadecimal numbers may include the letter "H" as a suffix. The letter "n" indicates a certain whole number.
The chart below lists the corresponding decimal number for each hexadecimal/binary number.

Decimal	Hexadecimal	Binary
0	00	0000 0000
1	01	0000 0001
2	02	0000 0010
3	03	0000 0011
4	04	0000 0100
5	05	0000 0101
6	06	0000 0110
7	07	0000 0111
8	08	0000 1000
9	09	0000 1001
10	0A	0000 1010
11	0B	0000 1011
12	0C	0000 1100
13	0D	0000 1101
14	0E	0000 1110
15	0F	0000 1111
16	10	0001 0000
17	11	0001 0001
18	12	0001 0010
19	13	0001 0011
20	14	0001 0100
21	15	0001 0101
22	16	0001 0110
23	17	0001 0111
24	18	0001 1000
25	19	0001 1001
26	1A	0001 1010
27	1B	0001 1011
28	1C	0001 1100
29	1D	0001 1101
30	1E	0001 1110
31	1F	0001 1111
32	20	0010 0000
33	21	0010 0001
34	22	0010 0010
35	23	0010 0011
36	24	0010 0100
37	25	0010 0101
38	26	0010 0110
39	27	0010 0111
40	28	0010 1000
41	29	0010 1001
42	2A	0010 1010
43	2B	0010 1011
44	2C	0010 1100
45	2D	0010 1101
46	2E	0010 1110
47	2F	0010 1111
48	30	0011 0000
49	31	0011 0001
50	32	0011 0010
51	33	0011 0011
52	34	0011 0100
53	35	0011 0101
54	36	0011 0110
55	37	0011 0111
56	38	0011 1000
57	39	0011 1001
58	3A	0011 1010
59	3B	0011 1011
60	3C	0011 1100
61	3D	0011 1101
62	3E	0011 1110
63	3F	0011 1111

Decimal	Hexadecimal	Binary
64	40	0100 0000
65	41	0100 0001
66	42	0100 0010
67	43	0100 0011
68	44	0100 0100
69	45	0100 0101
70	46	0100 0110
71	47	0100 0111
72	48	0100 1000
73	49	0100 1001
74	4A	0100 1010
75	4B	0100 1011
76	4C	0100 1100
77	4D	0100 1101
78	4E	0100 1110
79	4F	0100 1111
80	50	0101 0000
81	51	0101 0001
82	52	0101 0010
83	53	0101 0011
84	54	0101 0100
85	55	0101 0101
86	56	0101 0110
87	57	0101 0111
88	58	0101 1000
89	59	0101 1001
90	5A	0101 1010
91	5B	0101 1011
92	5C	0101 1100
93	5D	0101 1101
94	5E	0101 1110
95	5F	0101 1111
96	60	0110 0000
97	61	0110 0001
98	62	0110 0010
99	63	0110 0011
100	64	0110 0100
101	65	0110 0101
102	66	0110 0110
103	67	0110 0111
104	68	0110 1000
105	69	0110 1001
106	6A	0110 1010
107	6B	0110 1011
108	6C	0110 1100
109	6D	0110 1101
110	6E	0110 1110
111	6F	0110 1111
112	70	0111 0000
113	71	0111 0001
114	72	0111 0010
115	73	0111 0011
116	74	0111 0100
117	75	0111 0101
118	76	0111 0110
119	77	0111 0111
120	78	0111 1000
121	79	0111 1001
122	7A	0111 1010
123	7B	0111 1011
124	7C	0111 1100
125	7D	0111 1101
126	7E	0111 1110
127	7F	0111 1111

Additional Notes

- For example, 144 - 159(Decimal)/9nH/1001 0000 - 1001 1111(Binary) indicate the note-on messages for the channels 1 through 16 respectively. 176 - 191/BnH/1011 0000 - 1011 1111 indicate the control change messages for the channels 1 through 16 respectively. 192 -207/ CnH/1100 0000 - 1100 1111 indicate the program change messages for the channels 1 through 16 respectively. 240/F0H/1111 0000 is positioned at the beginning of data to indicate a system exclusive message. 247/F7H/1111 0111 is positioned at the end of the system exclusive message.

- aaH(Hexadecimal)/0aaaaaaa(Binary) indicates the data addresses. The data address consists of High, Mid and Low.

- bbH/0bbbbbbb indicates byte counts.

- ccH/0ccccccc indicates tcheck sums.

- ddH/0ddddddd indicates data/value.

SYNTHESIZER/SEQUENCER PART

(1) TRANSMIT FLOW

```
MIDI<-  +-[SW1]-+--------    NOTE ON/OFF              9nH
OUT     |       |
        |       |
        |       +--------    KEY'S AFTER TOUCH        AnH (Seq only)
        |       |
        |       +--------    CONTROL CHANGE
        |       |            MODULATION               BnH,01H
        |       |            VOLUME                   BnH,07H
        |       |            PAN                      BnH,0AH
        |       |            SUSTAIN SWITCH           BnH,40H
        |       |            FILTER RESONANCE         BnH,47H
        |       |            EG RELEASE TIME          BnH,48H
        |       |            EG ATTACK TIME           BnH,49H
        |       |            FILTER CUTOFF FREQ       BnH,4AH
        |       |            EG DECAY TIME            BnH,4BH
        |       |            REVERB SEND              BnH,5BH
        |       |            CHORUS SEND              BnH,5DH
        |       |            ASSIGNABLE CONTROLLERS   BnH,(00H .. 5FH)
        |       |            SEQ REMORT CONTROL       BnH,(00H .. 7FH)
        |       |
        |       +-[SW7]--    BANK SEL MSB             BnH,00H
        |       |            BANK SEL LSB             BnH,20H
        |       |
        |       +--------    CHANNEL MODE MESSAGE (Seq only)
        |       |            RESET ALL CONTROLLERS    BnH,79H
        |       |            LOCAL CONTROL            BnH,7AH
        |       |            OMNI MODE OFF            BnH,7CH
        |       |            OMNI MODE ON             BnH,7DH
        |       |            MONO MODE ON             BnH,7EH
        |       |            POLY MODE ON             BnH,7FH
        |       |
        |       +-[SW8]--    PROGRAM CHANGE           CnH
        |       |
        |       +--------    CHANNEL AFTER TOUCH      DnH
        |       |
        |       +--------    PITCH BEND CHANGE        EnH
        |
        +-[SW4]----------    SYSTEM COMMON MESSAGE
        |                      SONG POSITION POINTERF2H
        |                      SONG SELECTF           3H
        |
        +-[SW4]----------    SYSTEM REALTIME MESSAGE
        |                      TIMING CLOCK           F8H
        |                      START                  FAH
        |                      CONTINUE               FBH
        |                      STOP                   FCH
        |
        +----------------    ACTIVE SENSING           FEH
        |
        +-[SW5]-+--------    SYSTEM EXCLUSIVE MESSAGE
        |       +-[SW6]--    <BULK DUMP>              F0H 43H 0nH 6BH bhH blH ahH amH alH ddH... ddH ccH F7H
        |       |
        |       +-[SW6]--    <PARAMETER CHANGE>       F0H 43H 1nH 6BH ahH amH alH ddH.....ddH F7H
        |
        +----------------    SYSTEM EXCLUSIVE MESSAGE
        |                    IDENTITY REPLY           F0H 7EH 7FH 06H 02H 43H 00H 41H 7CH (or 7DH
        |                                             or 7EH) 04H 00H 00H 00H 7FH F7H
        +-[SW3,4]--------    MIDI MACHINE CONTROL
        |                    STOP                     F0H 7FH 7FH 06H 01H F7H
        |                    DEFERRED PLAY            F0H 7FH 7FH 06H 03H F7H
        |                    LOCATE                   F0H 7FH 7FH 06H 44H 06H 01H
        |                                             hrH mnH scH frH ffH F7H
        |
        |
        +----------------    SYSTEM EXCLUSIVE MESSAGE
                             LCD DATA REQUEST
```

[SW1] MIDI Transmit Channel
In the Master mode: complies with Zone Transmit Channel.
In the mode other than the Master: complies with Keyboard Transmit Channel.
The sequence data played back in the Song/Pattern mode is transmitted according to the MIDI Filter settings.
[SW2] MIDI Control Mode
[SW3] MIDI Sync (transmitted when the MIDI Sync is set to MTC.)
[SW4] Seq MIDI Control
[SW5] MIDI Device Number
When set to all, transmitted via 1.
The sequence data played back in the Song/Pattern mode is transmitted according to the MIDI Filter settings.
[SW6] In the Voice mode, only the Voice related data can be transmitted.
In the Performance mode, only the Performance related data can be transmitted.
The System data can be transmitted/recognized in any mode.
[SW7] SYSTEM Bank Select Switch
[SW8] SYSTEM Program Change Switch

(2) RECEIVE FLOW

```
MIDI>-  +[SW10]-+--------    NOTE OFF                 8nH
        |       |
        |       +--------    NOTE ON/OFF              9nH
        |       |
        |       +--------    KEY'S AFTER TOUCH        AnH (Seq only)
        |       |
        |       +--------    CONTROL CHANGE
        |       |            MODULATION               BnH,01H
        |       |            PORTAMENTO TIME          BnH,05H
        |       |            DATA ENTRY MSB           BnH,06H
        |       |            DATA ENTRY LSB           BnH,26H
        |       |            MAIN VOLUME              BnH,07H
        |       |            PAN                      BnH,0AH
        |       |            EXPRESSION               BnH,0BH
        |       |            SUSTAIN SWITCH           BnH,40H
        |       |            PORTAMENTO SWITCH        BnH,41H
        |       |            SOSTENUTO                BnH,42H
        |       |            HARMONIC CONTENT         BnH,47H
        |       |            EG RELEASE TIME          BnH,48H
        |       |            EG ATTACK TIME           BnH,49H
        |       |            BRIGHTNESS               BnH,4AH
        |       |            EG DECAY TIME            BnH,4BH
        |       |            EFFECT1 DEPTH            BnH,5BH
        |       |            EFFECT3 DEPTH            BnH,5DH
        |       |            DATA ENTRY INC           BnH,60H
        |       |            DATA ENTRY DEC           BnH,61H
        |       |            ALL SOUND OFF            BnH,78H
        |       |            ASSIGNABLE CONTROLLER    BnH,(00H .. 5FH)
        |       |            NRPN                     BnH,62H,63H *2
        |       |            RPN
        |       |            PITCH BEND SENS.         BnH,64H,00H,65H,00H,06H,mmH
        |       |            FINE TUNING              BnH,64H,01H,65H,00H,06H,mmH,26H,llH *1
        |       |            COARSE TUNING            BnH,64H,02H,65H,00H,06H,mmH *1
        |       |            RPN RESET                BnH,64H,7FH,65H,7FH
        |       |
        |       +-[SW2]--    EG SUSTAIN LEVEL         BnH,1FH
        |       |
        |       +-[SW7]--    BANK SEL MSB             BnH,00H
        |       |            BANK SEL LSB             BnH,20H
        |       |
        |       +--------    CHANNEL MODE MESSAGE
        |       |            RESET ALL CONTROLLERS    BnH,79H
        |       |            LOCAL CONTROL            BnH,7AH
        |       |            OMNI MODE OFF            BnH,7CH
        |       |            OMNI MODE ON             BnH,7DH
        |       |            MONO MODE ON             BnH,7EH
        |       |            POLY MODE ON             BnH,7FH
        |       |
        |       +-[SW8]--    PROGRAM CHANGE           CnH
        |       |
        |       +--------    CHANNEL AFTER TOUCH      DnH
        |       |
        |       +--------    PITCH BEND CHANGE        EnH
        |
        +-[SW3]-+--------    SYSTEM COMMON MESSAGE
        |                    MTC QUARTER FRAME MESSAGEF1H
        |
        +-[SW4]-+--------    SYSTEM COMMON MESSAGE
        |                    SONG POSITION POINTER    F2H
        |                    SONG SELECT              F3H
        |
        +-[SW3]-+--------    SYSTEM REALTIME MESSAGE
        |                    TIMING CLOCK             F8H
        |
        +-[SW4]-+--------    SYSTEM REALTIME MESSAGE
        |                    START                    FAH
        |                    CONTINUE                 FBH
        |                    STOP                     FCH
        |
        +----------------    ACTIVE SENSINGFEH
        |
        +-[SW5]-+--------    SYSTEM EXCLUSIVE MESSAGE
        |       |            MIDI MASTER VOLUME       F0H 7FH 7FH 04H 01H llH mmH F7H
        |       |
        |       +-[SW9]--    <BULK DUMP>              F0H 43H 0nH 6BH bhH blH ahH amH alH ddH....ddH ccH F7H *3
        |       |
        |       +-[SW6]--    <PARAMETER CHANGE>       F0H 43H 1nH 6BH ahH amH alH ddH.....ddH F7H *3
        |       |
        |       +-[SW6]--    <BULK DUMP REQUEST>      F0H 43H 2nH 6BH ahH amH alH ddH.....ddH F7H *3
        |       |
        |       +-[SW6]--    <PARAMETER REQUEST>      F0H 43H 3nH 6BH ahH amH alH F7H *3
        |       |
        |       +-[SW11]-    XG SYSTEM ON             F0H 43H 1nH 4CH 00H 00H 7EH 00H F7H
        |       |
        |       +-[SW11]-    GM MODE ON               F0H 7EH 7FH 09H 01H F7H
        |
        +----------------    SYSTEM EXCLUSIVE MESSAGE
        |                    IDENTITY REQUEST         F0H 7EH 0nH 06H 01H F7H
        |                    SECTION CONTROL          F0H 43H 7EH 00H ssH ddH F7H
        |                                             (Pattern Mode only)
        +----------------    SYSTEM EXCLUSIVE MESSAGE
                             TEST ENTRY               F0H 43H 10H 18H 5AH 00H F7H
                             LCD HARD COPY            F0H 43H 10H 18H 5AH 01H F7H
```

[SW2] MIDI Control Mode
[SW3] MIDI Sync (can be set to "internal", "MIDI", or ""MTC.")
[SW4] Seq MIDI Control
[SW5] MIDI Device Number
When this is not set to off, the MIDI Master Volume can be recognized in any mode.
The sequence data played back in the Song/Pattern mode is transmitted according to the MIDI Filter settings.
[SW6] In the Voice mode, only the Voice related data can be transmitted.
In the Performance mode, only the Performance related data can be transmitted.
The System data can be transmitted/recognized in any mode.
[SW7] SYSTEM Bank Select Switch
[SW8] SYSTEM Program Change Switch (In the Voice mode, recognized only in the play mode.)
[SW9] SYSTEM Bulk Protect and same as SW6.
[SW10] MIDI Receive Channel and Receive Filter
In the Performance mode: complies with Part Receive Channel and Part Receive Switch.
In the other mode: complies with Basic Receive Channel.
The sequence data recorded to the Song/Pattern is recognized according to the MIDI Filter settings.
[SW11] SYSTEM Receive GM/XG On

*1: Performance Mode Only
*2: Available only for the Plug-in voices
*3: Recognized/transmitted only when the Plug-in voice (MODEL ID = 0x64) is selected.

(3) TRANSMIT/RECEIVE DATA

(3-1) CHANNEL VOICE MESSAGES

(3-1-1) NOTE OFF

STATUS	1000nnnn(8nH)	n = 0~15 CHANNEL NUMBER
NOTE No.	0kkkkkkk	k = 0 (C-2)~127 (G8)
VELOCITY	0vvvvvvv	V: ignored

(3-1-2) NOTE ON/OFF

STATUS	1001nnnn(9nH)	n = 0~15 CHANNEL NUMBER
NOTE NUMBER	0kkkkkkk	k = 0 (C-2)~127 (G8)
VELOCITY NOTE ON	0vvvvvvv(v≠0)	
NOTE OFF	0vvvvvvv(v=0)	

(3-1-3) CONTROL CHANGE

STATUS	1011nnnn(BnH)	n = 0~15 CHANNEL NUMBER
CONTROL NUMBER	0ccccccc	
CONTROL VALUE	0vvvvvvv	

* TRANSMITTED CONTROL NUMBER

c = 0	BANK SEL MSB	; v = 0 - 127	*3
c = 32	BANK SEL LSB	; v = 0 - 127	*3
c = 1	MODULATION	; v = 0 - 127	
c = 7	MAIN VOLUME	; v = 0 - 127	
c = 10	PAN	; v = 0 - 127	
c = 11	EXPRESSION	; v = 0 - 127	
c = 64	SUSTAIN SWITCH	; v = 0, 127	
c = 71	FILTER RESONANCE	; v = 0:-64 - 64:0 - 127:+63	
c = 72	EG RELEASE TIME	; v = 0:-64 - 64:0 - 127:+63	
c = 73	EG ATTACK TIME	; v = 0:-64 - 64:0 - 127:+63	
c = 74	FILTER CUTOFF FREQ	; v = 0:-64 - 64:0 - 127:+63	
c = 75	EG DECAY TIME	; v = 0:-64 - 64:0 - 127:+63	
c = 91	REVERB SEND	; v = 0, 127	
c = 93	CHORUS SEND	; v = 0, 127	
c = 0..95	ASSIGNABLE CONTROLLERS	; v = 0 - 127	*6

The Sequencer Part will play back all recorded ontrol change messages.

* RECEIVED CONTROL NUMBER

c = 0	BANK SEL MSB	; v = 0 - 127	*3
c = 32	BANK SEL LSB	; v = 0 - 127	*3
c = 1	MODULATION	; v = 0 - 127	
c = 5	PORTAMENTO TIME	; v = 0 - 127	*2
c = 6	DATA ENTRY MSB	; v = 0 - 127	*1
c = 38	DATA ENTRY LSB	; v = 0 - 127	*1
c = 7	MAIN VOLUME	; v = 0 - 127	
c = 10	PAN	; v = 0 - 127	
c = 11	EXPRESSION	; v = 0 - 127	
c = 31	EG SUSTAIN LEVEL	; v = 0:-64 - 64:0 - 127:+63	*2,*5
c = 64	SUSTAIN SWITCH	; v = 0-63:OFF, 64-127:ON	*2
c = 65	PORTAMENTO SWITCH	; v = 0-63:OFF, 64-127:ON	*2
c = 66	SOSTENUTO	; v = 0-63:OFF, 64-127:ON	*2
c = 71	HARMONIC CONTENT	; v = 0:-64 - 64:0 - 127:+63	
c = 72	EG RELEASE TIME	; v = 0:-64 - 64:0 - 127:+63	*2
c = 73	EG ATTACK TIME	; v = 0:-64 - 64:0 - 127:+63	
c = 74	BRIGHTNESS	; v = 0:-64 - 64:0 - 127:+63	
c = 75	EG DECAY TIME	; v = 0:-64 - 64:0 - 127:+63	
c = 91	EFFECT1 DEPTH	; v = 0 - 127	
c = 93	EFFECT3 DEPTH	; v = 0 - 127	
c = 96	DATA ENTRY INC	; v = 127	*1
c = 97	DATA ENTRY DEC	; v = 127	*1
c = 0..95	ASSIGNABLE CONTROLLER	; v = 0 - 127	*6
c = 0..95	ARPEGGIO SW	; v = 0-63:OFF, 64-127:ON	*6
c = 0..95	ARPEGGIO HOLD	; v = 0-63:OFF, 64-127:ON	*6

All Control Change events can be recorded to the song/pattern.

*1 Used only when a value is set using RPN.

*2 Invalid with Drum Voices.

*3 Relation between BANK CHANGE and PROGRAM is as follows:

CATEGORY	MSB	LSB	PROGRAM No.		
GM Voice	0	0	0..127	(1..128)	
GM Drum Voice	127	0	0..1	(1..2)	
Normal Voice Preset 1	63	0	0..127	(1..128)	
Preset 2	63	1	0..127	(1..128)	
Preset 3	63	2	0..127	(1..128)	
User	63	8	0..127	(1..128)	
Drum Voice Preset	63	32	0..47	(1..48)	
User	63	40	0..15	(1..16)	
Plug-in Voice User 1	63	24	0..63	(1..64)	
User 2	63	25	0..63	(1..64)	
User 3	63	26	0..63	(1..64)	
Performance User	63	64	0..127	(1..128)	
Sample Voice	63	50	0..127	(1..128)	*7
Plug-in Voice Preset 1 (Slot1)	63	70	0..63	(1..64)	*4
Preset 2 (Slot1)	63	71	0..63	(1..64)	*4
Preset 3 (Slot1)	63	72	0..63	(1..64)	*4
Preset 1 (Slot2)	63	73	0..63	(1..64)	*4
Preset 2 (Slot2)	63	74	0..63	(1..64)	*4
Preset 3 (Slot2)	63	75	0..63	(1..64)	*4
Preset 1 (Slot3)	63	76	0..63	(1..64)	*4
Preset 2 (Slot3)	63	77	0..63	(1..64)	*4
Preset 3 (Slot3)	63	78	0..63	(1..64)	*4

*4 Can be selected only when the corresponding Plug-in board has been installed.

*5 Transmitted/received only when MODE2 is selected in CONTROL CHANGE MODE.

*6 The default CONTROL NUMBERs of ASSIGNABLE CONTROLLER are as follows:

BREATH CONTROLLER	2
FOOT CONTROLLER	4
Assign1	16
Assign2	17
Assign A	18
Assign B	19
FOOT SWITCH	88
ARPEGGIO HOLD	89
ARPEGGIO SWITCH	90

*7 Up to 128 voices can be selected in the Song/Pattern mode.

PORTAMENTO TIME sets the time it takes for the pitch to reach the next note played when PORTAMENTO SWITCH is set to on.

PAN position relatively changes according to the preset value for each voice.

EFFECT1 DEPTH controls reverb send level.

EFFECT3 DEPTH controls chorus send level.

HARMONIC CONTENT adjusts the resonance preset for each voice.

Setting a value adds to or subtracts from the center value, 64, since it is an offset parameter.

The larger the value more resonant sound will be produced. The effective range may be narrower than the range you can designate depending on the selected voice.

The parameters, EG ATTACK TIME, EG DECAY TIME, EG SUSTAIN LEVEL, EG RELEASE TIME adjust the envelopes preset for each voice.

Setting these values add to or subtract from the center value, 64, since these are offset parameters.

BRIGHTNESS adjusts the cutoff frequency preset for each voice.

Setting a value adds to or subtracts from the center value, 64, since it is an offset parameter.

The smaller the value the cutoff frequency will be lowered. The effective range may be narrower than the range you can designate depending on the selected voice.

Bank Select will be actually executed when the Program Change message is received.

Bank Select and Program Change numbers that are not supported by Yamaha will be ignored, but transmitted to the Plug-in board.

(3-1-4) PROGRAM CHANGE

STATUS	1100nnnn(CnH)	n = 0~15 CHANNEL NUMBER
PROGRAM NUMBER	0ppppppp = 0~127	

(3-1-5) CHANNEL AFTER TOUCH

STATUS	1101nnnn(DnH)	n = 0~15 CHANNEL NUMBER
VALUE	0vvvvvvv	v = 0~127 AFTER TOUCH VALUE

(3-1-6) PITCH BEND CHANGE

STATUS	1110nnnn(EnH)	n = 0~15 CHANNEL NUMBER
LSB	0vvvvvvv	PITCH BEND CHANGE LSB
MSB	0vvvvvvv	PITCH BEND CHANGE MSB

Transmitted with a resolution of 7 bits.

(3-2) CHANNEL MODE MESSAGES

STATUS	1011nnnn(BnH)	n = 0~15 CHANNEL NUMBER
CONTROL NUMBER	0ccccccc	c = CONTROL NUMBER
CONTROL VALUE	0vvvvvvv	v = DATA VALUE

(3-2-1) ALL SOUND OFF (CONTROL NUMBER = 78H, DATA VALUE = 0)

All the sounds currently played including the channel messages such as note-on and hold-on in a certain channel are muted when receiving this message.

(3-2-2) RESET ALL CONTROLLERS (CONTROL NUMBER = 79H, DATA VALUE = 0)

Resets the values set for the following controllers.

PITCH BEND CHANGE	0 (center)
CHANNEL AFTER TOUCH	0 (minimum)
MODULATION	0 (minimum)
EXPRESSION	127 (maximum)
BREATH CONTROLLER	127 (maximum)
FOOT CONTROLLER	127 (maximum)
Assign A	0 (center)
Assign B	0 (center)
Assign 1	0 (center)
Assign 2	0 (center)
SUSTAIN SWITCH	0 (off)
SOSTENUTO SWITCH	0 (off)
RPN	Not assigned; No change

Doesn't reset the following data:

PROGRAM CHANGE, BANK SELECT MSB/LSB, VOLUME, PAN, HARMONIC CONTENT, SUSTAIN LEVEL, RELEASE TIME, ATTACK TIME, DECAY TIME, BRIGHTNESS, EFFECT SEND LEVEL 1, EFFECT SEND LEVEL 3, PORTAMENTO SWITCH, PITCH BEND SENSITIVITY, FINE TUNING, COARSE TUNING

(3-2-3) ALL NOTE OFF (CONTROL NUMBER = 7BH, DATA VALUE = 0)

All the notes currently set to on in certain channel(s) are muted when receiving this message. However, if Sustain or Sostenuto is on, notes will continue sounding until these are turned off.

(3-2-4) OMNI MODE OFF (CONTROL NUMBER = 7CH, DATA VALUE = 0)

Performs the same function as when receiving ALL NOTES OFF.

Sets VOICE RECEIVE CHANNEL to "OMNI OFF," channel 1.

(3-2-5) OMNI MODE ON(CONTROL NUMBER = 7DH, DATA VALUE = 0)

Performs the same function as when receiving ALL NOTES OFF.

Sets VOICE RECEIVE CHANNEL to "OMNI ON."

(3-2-6) MONO (CONTROL NUMBER = 7EH, DATA VALUE = 0..16)

Performs the same function as when receiving ALL SOUNDS OFF. If the 3rd byte (mono) is within 0 through 16, the channel will be Mode4(m = 1).

In the Voice mode, the mode can be Mode2(m=1) according to VOICE RECEIVE CHANNEL.

(3-2-7) POLY (CONTROL NUMBER = 7FH, DATA VALUE = 0)

Performs the same function as when receiving ALL SOUNDS OFF. The channel will be Mode3.

In the Voice mode, the mode can be Mode1 according to VOICE RECEIVE CHANNEL.

(3-3) REGISTERED PARAMETER NUMBER

```
STATUS              1011nnnn(BnH)          n = 0~15 CHANNEL NUMBER
LSB                 01100100(64H)
RPN LSB             0ppppppp               p = RPN LSB (Refer to the table as shown below)
MSB                 01100101(65H)
RPN MSB             0qqqqqqq               q = RPN MSB (Refer to the table as shown below)
DATA ENTRY MSB      00000110(06H)
DATA VALUE          0mmmmmmm               m = Data Value
DATA ENTRY LSB      00100110(26H)
DATA VALUE          01111111               l = Data Value
```

First, designate the parameter using RPN MSB/LSB numbers. Then, set its value with data entry MSB/LSB.

```
RPN       D.ENTRY
LSB MSB   MSB LSB   PARAMETER NAME          DATA RANGE

00H 00H   mmH ---   PITCH BEND SENSITIVITY  00H - 18H (0 - 24 semitones)
01H 00H   mmH llH   MASTER FINE TUNE        {mmH,llH}={00H,00H}-{40H,00H}-{7FH,7FH}
                                            (-8192*100/8192) - 0 - (+8192*100/8192)
02H 00H   mmH ---   MASTER COARSE TUNE      28H - 40H - 58H (-24 - 0 - +24 semitones)
7FH 7FH   --- ---   RPN RESET
                    RPN numbers will be left not designated.
                    The internal values are not affected.
```

(3-4) NON-REGISTERED PARAMETER NUMBER

There are no applicable parameters.
These are transmitted to the Plug-in board.

(3-5) SYSTEM REAL TIME MESSAGES

(3-5-1) ACTIVE SENSING

```
STATUS              11111110(FEH)
```

Transmitted at every 200 msec.

Once this code is received, the instrument starts sensing. When no status nor data is received for over approximately 350 ms, MIDI receiving buffer will be cleared, and the sounds currently played and the sustain switch are forcibly turned off. In this case, each control data will be reset to a certain value.

(3-6) SYSTEM EXCLUSIVE MESSAGE

(3-6-1) UNIVERSAL NON REALTIME MESSAGE

(3-6-1-1) GENERAL MIDI MODE ON

```
F0H 7EH 7FH 09H 01H F7H
```

Received only when SYSTEM Receive GM/XG on is set to on in PERFORMANCE MODE. The Part values will be reset according to the SYSTEM Internal Part settings.

(3-6-1-2) IDENTITY REQUEST (Receive only)

```
F0H 7EH 0nH 06H 01H F7H ("n" = Device No.However, this instrument receives under "omni.")
```

(3-6-1-3) IDENTITY REPLY (Transmit only)

```
F0H 7EH 7FH 06H 02H 43H 00H 41H ddH ddH 00H 00H 00H 7FH F7H

dd;Device Number Code
MOTIF6: 7C 04
MOTIF7: 7D 04
MOTIF8: 7E 04
```

(3-6-2) UNIVERSAL REALTIME MESSAGE

(3-6-2-1) MIDI MASTER VOLUME

```
F0H 7FH 7FH 04H 01H llH mmH F7H
```

Sets the MASTER VOLUME value.
The value "mm" is used to set the master volume (the value "ll" should be ignored).

(3-6-3) PARAMETER CHANGE

(3-6-3-1) XG SYSTEM ON

```
11110000            F0                  Exclusive status
01000011            43                  YAMAHA ID
0001nnnn            1n                  device Number
01001100            4C                  Model ID
0aaaaaaa            0A                  ddress High
0aaaaaaa            0A                  ddress Mid
0aaaaaaa            7E                  Address Low
0                   0                   Data
11110111            F7                  End of Exclusive
```

Received only when SYSTEM Receive GM/XG on is set to on in PERFORMANCE MODE. The Part values will be reset according to the SYSTEM Internal Part settings.
Be aware that executing this message takes ca. 170ms and that, therefore, a certain interval before executing the following message is needed.

(3-6-3-2) NATIVE PARAMETER CHANGE, MODE CHANGE

```
11110000            F0                  Exclusive status
01000011            43                  YAMAHA ID
0001nnnn            1n                  device Number
01101011            6B                  Model ID
0aaaaaaa            aaaaaaa             Address High
0aaaaaaa            aaaaaaa             Address Mid
0aaaaaaa            aaaaaaa             Address Low
0ddddddd            ddddddd             Data
|                   |
11110111            F7                  End of Exclusive
```

For parameters with data size of 2 or more, the appropriate number of data bytes will be transmitted.
See the following MIDI Data Table for Address and Byte Count.
Always received no matter which device number is selected, in the case of REMOTE SWITCH.

(3-6-4) BULK DUMP

```
11110000            F0                  Exclusive status
01000011            43                  YAMAHA ID
0000nnnn            0n                  device Number
01101011            6B                  Model ID
0bbbbbbb            bbbbbbb             Byte Count
0bbbbbbb            bbbbbbb             Byte Count
0aaaaaaa            aaaaaaa             Address High
0aaaaaaa            aaaaaaa             Address Mid
0aaaaaaa            aaaaaaa             Address Low
0                   0                   Data
|                   |
0ccccccc            ccccccc             Check-sum
11110111            F7                  End of Exclusive
```

See the following MIDI Data Table for Address and Byte Count.
The Check sum is the value that results in a value of 0 for the lower 7 bits when the Byte Count, Start Address, Data and Check sum itself are added.

(3-6-5) DUMP REQUEST

```
11110000            F0                  Exclusive status
01000011            43                  YAMAHA ID
0010nnnn            2n                  device Number
01101011            6B                  Model ID
0aaaaaaa            aaaaaaa             Address High
0aaaaaaa            aaaaaaa             Address Mid
0aaaaaaa            aaaaaaa             Address Low
11110111            F7                  End of Exclusive
```

See the following MIDI Data Table for Address and Byte Count.

(3-6-6) PARAMETER REQUEST

```
11110000            F0                  Exclusive status
01000011            43                  YAMAHA ID
0011nnnn            3n                  device Number
01101011            6B                  Model ID
0aaaaaaa            aaaaaaa             Address High
0aaaaaaa            aaaaaaa             Address Mid
0aaaaaaa            aaaaaaa             Address Low
11110111            F7                  End of Exclusive
```

See the following MIDI Data Table for Address and Byte Count.

(4) SYSTEM OVERVIEW (Keyboard, Sequencer and Tone Generator)

The optional mLAN board can be installed to the MOTIF.

Although three types of note on/note off data, received via MIDI, played by the internal sequencer and played on the keyboard will be distinguished, the other controllers (channel messages) equally affect the entire notes.

ALL SOUND OFF clears all the sounds in the specific channel(s) played by both the keyboard and the data via MIDI.
ALL NOTES OFF received via MIDI clears the sounds in the specific channel(s) played via MIDI.

MIDI Data Table

Bank Select

Available Bank Select/Program Change

MSB	(HEX)	LSB	(HEX)	Program No.	Type	Memory	Description
0	00	0	00	0 - 127	Normal Voice	GM Voice	
127	7F	0	00	0	Drum Voice	GM Drum	
63	3F	0	00	0 - 127	Normal Voice	Preset 1	
		1	01	0 - 127		Preset 2	
		2	02	0 - 127		Preset 3	
		8	08	0 - 127		User	
		32	20	0 - 47	Drum Voice	Preset	
		40	28	0 - 15		User	
		50	32	0 - 127	Sample Voice	User	Can be selected in the Song/Pattern mode.
		24	18	0 - 63	Plug-in Voice	User 1(Slot1)	
		25	19	0 - 63		User 2(Slot2)	
		26	1A	0 - 63		User 3(Slot3)	
		70	46	0 - 63		Preset 1(Slot1)	Can be selected when the Plug-in board has been installed to slot 1.
		71	47	0 - 63		Preset 2(Slot1)	
		72	48	0 - 63		Preset 3(Slot1)	
		73	49	0 - 63		Preset 1(Slot2)	Can be selected when the Plug-in board has been installed to slot 2.
		74	4A	0 - 63		Preset 2(Slot2)	
		75	4B	0 - 63		Preset 3(Slot2)	
		76	4C	0 - 63		Preset 1(Slot3)	Can be selected when the Plug-in board has been installed to slot 3.
		77	4D	0 - 63		Preset 2(Slot3)	
		78	4E	0 - 63		Preset 3(Slot3)	
Depending on the installed Plug-in Board.					Plug-in Direct	-	
63	3F	64	40	0 - 127	Performance	User(Internal)	

When only the Program Change is received after entering any of the mode, the corresponding voice in the currently selected Type/Memory is called up.
The Master number and the Performance/Song/Pattern/Voice mode can be changed only via the Parameter Change.
The Song/Pattern can be changed only via the Song Select (Song: F3, 00-F3, 3F/Pattern: F3, 00-F3, 3F).
In the Performance mode, the Part Voice cannot be changed via the Program Change.

Parameter Base Address

Parameter Block	Top Address			Description
	H	M	L	
SYSTEM	00	00	00	System
	00	10	00	Plug-in Board Native System
	00	20	00	Master EQ for Voice
	01	00	00	Seq Remote Mode Common
	02	00	00	Seq Remote Mode Track1 Message
				:
	02	0F	00	Seq Remote Mode Track16 Message
MODE CHANGE	0A	00	00	Mode Change
BULK CONTROL	0E	00	00	Header
	0F	00	00	Footer
MASTER KEYBOARD	33	00	00	Common
	32	00	00	Zone1
				:
	32	03	00	Zone4
PERFORMANCE COMMON	30	00	00	Performace Common
PERFORMANCE PART	31	00	00	Part1
				:
	31	03	00	Part4
	31	60	00	Plug-in 1 Part
	31	61	00	Plug-in 2 Part
	31	62	00	Plug-in 3 Part
NORMAL VOICE COMMON	40	00	00	Common1
	40	00	40	Common2
	40	01	00	Reverb
	40	02	00	Chorus
	40	03	00	Insertion 1
	40	04	00	Insertion 2
	40	05	00	Controller
	40	06	00	LFO
	40	70	00	Extra
NORMAL VOICE ELEMENT GROUP1	41	ee	00	ee : Element No.
NORMAL VOICE ELEMENT GROUP2	42	ee	00	ee : Element No.
NORMAL VOICE ELEMENT GROUP3	43	ee	00	ee : Element No.
NORMAL VOICE ELEMENT GROUP4	44	ee	00	ee : Element No.
DRUM COMMON	46	00	00	Common1
	46	00	40	Common2
	46	01	00	Reverb
	46	02	00	Chorus
	46	03	00	Insertion 1
	46	04	00	Insertion 2
	46	05	00	Controller
	46	70	00	Extra
DRUM ELEMENT GROUP1	47	ee	00	ee : Element No.
DRUM ELEMENT GROUP2	48	ee	00	ee : Element No.
DRUM ELEMENT GROUP3	49	ee	00	ee : Element No.
DRUM ELEMENT GROUP4	4A	ee	00	ee : Element No.
VOICE PLUG-IN	4C	00	00	Common
	4C	01	00	Reverb
	4C	02	00	Chorus
	4C	03	00	Insertion 1
	4C	04	00	Insertion 2
	4C	05	00	Controller
	4C	10	00	Plug-in XG Part
	4C	20	00	Native
	4C	70	00	Extra
Mix for Song/Pattern	36	00	00	Mix Common
	37	00	00	Part1
				:
	37	0F	00	Part16
	37	60	00	Plug-in 1 Part
	37	61	00	Plug-in 2 Part
	37	62	00	Plug-in 3 Part

Bulk Dump Block

"Top Address" indicates the top address of each block designated by bulk dump operation.
"Byte Count" indicates the data size contained in each block designated by bulk dump operation.
To execute 1 Performance/1 Voice bulk dump request, designate its corresponding Bulk Header address.

For the information about "mm" and "nn" shown in the following list, refer to MIDI PARAMETER CHANGE TABLE (BULK CONTROL) below.

Parameter Block	Description	Byte Count		Top Address		
		Dec	Hex	H	M	L
SYSTEM	System	60	003C	00	00	00
	Plug-in Board Native System	48	0030	00	10	00
	Master EQ (for Voice Mode)	20	0014	00	20	00
	Seq Remote Mode Common	19	0013	01	00	00
	Seq Remote Tr1 Message	57	0039	02	00	00
	:	16 Blocks		:	:	:
	Seq Remote Tr16 Message	57	0039	02	0F	00
MASTER KEYBOARD	Bulk Header	0	00	0E	mm	nn
	Common	19	0013	33	00	00
	Zone1	16	0010	32	00	00
	:	4 Blocks		:	:	:
	Zone4	16	0010	32	03	00
	Bulk Footer	0	00	0F	mm	nn
PERFORMANCE	Bulk Header	0	00	0E	mm	nn
COMMON	Common	88	0058	30	00	00
	Reverb	24	0018	30	01	00
	Chorus	25	0019	30	02	00
	Variation	38	0026	30	03	00
	Master EQ	20	0014	30	10	00
	Native (for InsEF Plug-in)	68	0044	30	20	00
PART	Part1	45	002D	31	00	00
	:	4 Blocks		:	:	:
	Part4	45	002D	31	03	00
PLUG-IN PART	Plug-in 1 Part	45	002D	31	60	00
	:	3 Blocks		:	:	:
	Plug-in 3 Part	45	002D	31	62	00
	Bulk Footer	0	00	0F	mm	nn
VOICE (NORMAL)	Bulk Header	0	00	0E	mm	nn
COMMON	Extra	66	0042	40	70	00
	Common1	15	000F	40	00	00
	Common2	4	0004	40	00	40
	Reverb	24	0018	40	01	00
	Chorus	25	0019	40	02	00
	Insertion 1(S)	22	0016	40	03	00
	Insertion 2(L)	34	0022	40	04	00
	Controller	30	001E	40	05	00
	LFO	37	0025	40	06	00
ELEMENT 1	Oscillator	28	001C	41	00	00
	Amplitude	30	001E	41	00	20
	Pitch	29	001D	42	00	00
	Filter	50	0032	43	00	00
	EQ	8	0008	44	00	00
	LFO	7	0007	44	00	40
ELEMENT 2	Oscillator	28	001C	41	01	00
	Amplitude	30	001E	41	01	20
	Pitch	29	001D	42	01	00
	Filter	50	0032	43	01	00
	EQ	8	0008	44	01	00
	LFO	7	0007	44	01	40
ELEMENT 3	Oscillator	28	001C	41	02	00
	Amplitude	30	001E	41	02	20
	Pitch	29	001D	42	02	00
	Filter	50	0032	43	02	00
	EQ	8	0008	44	02	00
	LFO	7	0007	44	02	40
ELEMENT 4	Oscillator	28	001C	41	03	00
	Amplitude	30	001E	41	03	20
	Pitch	29	001D	42	03	00
	Filter	50	0032	43	03	00
	EQ	8	0008	44	03	00
	LFO	7	0007	44	03	40
	Bulk Footer	0	00	0F	mm	nn
VOICE (DRUM)	Bulk Header	0	00	0E	mm	nn
COMMON	Extra	66	0042	46	70	00
	Common1	8	0008	46	00	00
	Common2	4	0004	46	00	40
	Reverb	24	0018	46	01	00
	Chorus	25	0019	46	02	00
	Insertion 1(S)	22	0016	46	03	00
	Insertion 2(L)	34	0022	46	04	00
	Controller	30	001E	46	05	00
KEY C 0	Oscillator	19	0013	47	00	00
	Amplitude	12	000C	47	00	20
	Pitch	3	0003	48	00	00
	Filter	8	0008	49	00	00
	EQ	8	0008	4A	00	00
	:	73 Blocks		:	:	:
KEY C 6	Oscillator	19	0013	47	48	00
	Amplitude	12	000C	47	48	20
	Pitch	3	0003	48	48	00
	Filter	8	0008	49	48	00
	EQ	8	0008	4A	48	00
	Bulk Footer	0	00	0F	mm	nn
VOICE (PLUG-IN)	Bulk Header	0	00	0E	mm	nn
COMMON	Extra	66	0042	4C	70	00
* Receives the Plug-in Bulk Dump of the MOTIF and complies with the Dump Request.	Common	13	000D	4C	00	00
	Reverb	24	0018	4C	01	00
	Chorus	25	0019	4C	02	00
	Insertion 1(S)	22	0016	4C	03	00
	Insertion 2(L)	34	0022	4C	04	00
	Controller	10	000A	4C	05	00
	Plug-in XG Part	35	0023	4C	10	00
	Native	68	0044	4C	20	00
	Bulk Footer	0	00	0F	mm	nn
MIX	Bulk Header	0	00	0E	mm	nn
COMMON	Common	88	0058	36	00	00
	Reverb	24	0018	36	01	00
	Chorus	25	0019	36	02	00
	Variation	38	0026	36	03	00
	Master EQ	20	0014	36	10	00
	Native (for InsEF Plug-in)	68	0044	36	20	00
PART	Part1	45	002D	37	00	00
	:	16 Blocks		:	:	:
	Part16	45	002D	37	0F	00
PLUG-IN PART	Plug-in 1 Part	45	002D	37	60	00
	:	3 Blocks		:	:	:
	Plug-in 3 Part	45	002D	37	62	00
	Bulk Footer	0	00	0F	mm	nn

MIDI PARAMETER CHANGE TABLE (Mode Change)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
0A	00	00	1	00 - 7F	MASTER NUMBER SELECT	0-127	
		01	1	00 - 04	MODE CHANGE	0:Voice, 1:Performance,	
						2:Pattern(Mix), 3:Song(Mix), 4:Master	

MIDI PARAMETER CHANGE TABLE (BULK CONTROL)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
0E	08	nn	1	-	Bulk Header	Normal Voice INT (nn = 0 - 127)	
	09	nn	1	-		reserved	
	0F	nn	1	-		Normal Voice Edit Buffer (nn = 0)	
	18	nn	1	-		Plug-in Voice PLG1 (nn = 0 - 63)	
	19	nn	1	-		Plug-in Voice PLG2 (nn = 0 - 63)	
	1A	nn	1	-		Plug-in Voice PLG3 (nn = 0 - 63)	
	1F	nn	1	-		Plug-in Voice Edit Buffer (nn = 0)	
	28	nn	1	-		Drum Voice INT (nn = 0 - 15)	
	29	nn	1	-		reserved	
	2F	nn	1	-		Drum Voice Edit Buffer (nn = 0)	
	40	nn	1	-		Performance INT (nn = 0 - 127)	
	41	nn	1	-		reserved	
	4F	nn	1	-		Performance Edit Buffer (nn = 0)	
	5F	nn	1	-		Mix Edit Buffer (nn = 0)	
	68	nn	1	-		reserved	
	6F	nn	1	-		reserved	
	70	nn	1	-		Master INT (nn = 0 - 127)	
	7F	nn	1	-		Master Edit Buffer (nn = 0)	
0F	08	nn	1	-	Bulk Footer	Normal Voice INT (nn = 0 - 127)	
	09	nn	1	-		reserved	
	0F	nn	1	-		Normal Voice Edit Buffer (nn = 0)	
	18	nn	1	-		Plug-in Voice PLG1 (nn = 0 - 63)	
	19	nn	1	-		Plug-in Voice PLG2 (nn = 0 - 63)	
	1A	nn	1	-		Plug-in Voice PLG3 (nn = 0 - 63)	
	1F	nn	1	-		Plug-in Voice Edit Buffer (nn = 0)	
	28	nn	1	-		Drum Voice INT (nn = 0 - 15)	
	29	nn	1	-		reserved	
	2F	nn	1	-		Drum Voice Edit Buffer (nn = 0)	
	40	nn	1	-		Performance INT (nn = 0 - 127)	
	41	nn	1	-		reserved	
	4F	nn	1	-		Performance Edit Buffer (nn = 0)	
	5F	nn	1	-		Mix Edit Buffer (nn = 0)	
	68	nn	1	-		reserved	
	6F	nn	1	-		reserved	
	70	nn	1	-		Master INT (nn = 0 - 127)	
	7F	nn	1	-		Master Edit Buffer (nn = 0)	

MIDI PARAMETER CHANGE TABLE (SYSTEM)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
00	00	00	1	00 - 7F	Master Volume	0 - 127	MIDI Master Volume
		01	1	28 - 58	Master Note Shift	-24 - +24[semitones]	
		02	4	00 - 0F	Master Tune	-102.4 - +102.3[cent]	MIDI Master Tuning
				00 - 0F		1st bit 3-0 → bit 15-12	
				00 - 0F		2nd bit 3-0 → bit 11-8	
				00 - 0F		3rd bit 3-0 → bit 7-4	
						4th bit 3-0 → bit 3-0	
		06	1	00 - 01	Controller Reset	hold, reset	
		07	1	35 - 4B	Master Transpose	-11 - +11(semitones)	
		08	1	3D - 43	Master Octave Shift	-3 - +3	
		09	1	00 - 01	Local Switch	off, on	
		0A	1	00 - 10, 7F	Basic Receive Channel	1 - 16, omni, off	
		0B	1	00 - 0F, 7F	Keyboard Transmit Channel	1 - 16, off	
		0C	1	00	reserved		
		0D	1	00 - 01	REC ARP Switch	off, on	
		0E	1	00 - 03	STEREO L&R OUTPUT GAIN	00:0dB, 01:+6dB, 02:+12dB, 03:+18dB	
		0F	1	00 - 03	INDIVIDUAL OUT 1 OUTPUT GAIN	00:0dB, 01:+6dB, 02:+12dB, 03:+18dB	
		10	1	00 - 03	INDIVIDUAL OUT 2 OUTPUT GAIN	00:0dB, 01:+6dB, 02:+12dB, 03:+18dB	
		11	1	00 - 03	BC Curve (for TG)	thru, soft, hard, wide	
		12	1	00 - 04	Keyboard Velocity Curve	norm, soft, hard, wide, fixed	
		13	1	01 - 7F	Keyboard Fixed Velocity	1 - 127	
		14	1	00 - 01	Receive GM/XG On for Multi Part PB	off, on	
		15	1	00 - 01	Receive/Transmit Bank Select	off, on	
		16	1	00 - 01	Receive/Transmit Program Change	off, on	
		17	1	00 - 01	MIDI Control Mode	mode 1, mode 2	
		18	1	00 - 07	Thru Port for USB	1 - 8	
		19	1	00 - 02	MIDI IN/OUT	MIDI, USB, mLAN	
		1A	1	00 - 07	Effect Bypass for System Effect	bit0: Reverb, bit1: Chorus, bit2: Variation	
		1B	1	01	reserved		
		1C	1	00 - 03	Effect Bypass for Insertion Effect	bit0: Internal, bit1: Plug-in Board	
		1D	1	00 - 01	Auto ROM Demo Song&Chain Load Switch	off, on	
		1E	1	00 - 01	AutoLoad Switch	off, on	
		1F	1	00 - 05	Power on Mode	Performance, Voice (INT), Voice (PRE1), GM, last, Master	
		20	1	00	reserved		
		21	1	00 - 02	Single Part Plug-in Board Port Assign	1, 2, 3	Port 1 in any other mode
		22	1	00 - 02	Multi Part Plug-in Board Port Assign	1, 2, 3	Port 1 in any other mode
		23	1	00 - 01	Send XGon to for Song/Pattern Change	off, on	
		24	1	00 - 01	A/D Source	analog, mLAN	
		25	1	00 - 01	Analog Input Gain	mic, line	
		26	1	00	reserved		
		27	1	00 - 01	Digital Input for AIEB1	coaxial, optical	
		28	1	00 - 01	Digital Output Word Length for AIEB1	20 bit, 24 bit	
		29	1		reserved		
		2A	1	00 - 34	Assign A Destination	off, 1 - 52	
		2B	1	00 - 34	Assign B Destination	off, 1 - 52	
		2C	1		reserved		
		2D	1	00 - 5F	Assign A Control Number	off, 1 - 95	
		2E	1	00 - 5F	Assign B Control Number	off, 1 - 95	
		2F	1	14	reserved		
		30	1	01	reserved		
		31	1	00 - 65	FS Assign	off, 1 - 95, ArpSw, ArpHold, Play/Stop, PCInc, PCDec, OctaveReset	
		32	1	00 - 5F	ARP Switch Control Number	off, 1 - 95	
		33	1	00 - 5F	ARP Hold Control Number	off, 1 - 95	
		34	1	00 - 01	ARP MIDI Out Switch	off, on	for Voice Mode
		35	1	00 - 0F	ARP MIDI Out Channel	1 - 16	:
		36	1	00 - 5F	Assign1 Control Number	off, 1 - 95	:
		37	1	00 - 5F	Assign2 Control Number	off, 1 - 95	:
		38	1	00 - 5F	BC Control Number	off, 1 - 95	:
		39	1	00 - 5F	FC2 Control Number	off, 1 - 95	:
		3A	1	00 - 5F	FC1 Control Number	off, 1 - 95	
		3B	1		reserved		

TOTAL SIZE = 60 3C (HEX)

00	10	00	16	00 - 7F	Plug-in 1 Native System Parameter	depends on Plug-in Board	
		10	16	00 - 7F	Plug-in 2 Native System Parameter	depends on Plug-in Board	
		20	16	00 - 7F	Plug-in 3 Native System Parameter	depends on Plug-in Board	

TOTAL SIZE = 48 30 (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
00	20	00	1	34 -4C	EQ Gain1	-12 - +12[dB]	for Voice Mode
		01	1	04 - 28	EQ Frequency1	32 - 2000[Hz]	:
		02	1	01 - 78	EQ Q1	0. 1 - 12.0	:
		03	1	00 - 01	EQ Shape1	shelv, peak	:
		04	1	34 - 4C	EQ Gain2	-12 - +12[dB]	:
		05	1	0E - 36	EQ Frequency2	100 - 10.0[kHz]	:
		06	1	01 - 78	EQ Q2	0.1 - 12.0	:
			1	01	reserved		
		08	1	34 -4C	EQ Gain3	-12 - +12[dB]	:
		09	1	0E - 36	EQ Frequency3	100 - 10.0[kHz]	:
		0A	1	01 - 78	EQ Q3	0. 1- 12.0	:
			1		NOT USED		:
		0C	1	34 - 4C	EQ Gain4	-12 - +12[dB]	:
		0D	1	0E - 36	EQ Frequency4	100 - 10.0[kHz]	:
		0E	1	01 - 78	EQ Q4	0.1 - 12.0	:
			1		NOT USED		:
		10	1	34 - 4C	EQ Gain5	-12 - +12[dB]	:
		11	1	1C - 3A	EQ Frequency5	0.5 - 16.0[kHz]	:
		12	1	01 - 78	EQ Q5	0.1 - 12.0	:
		13	1	00 - 01	EQ Shape5	shelv, peak	:

TOTAL SIZE = 20 14 (HEX)

01	00	00	1	00 - 03	Seq Remote Mode Template	0:Logic, 1:Cubase, 2:Cakewalk, 3:ProTools	
01	00	01	1	00 - 03	Seq Remote Mode Port Number	off, 1, 2, 3	
01	00	02	1	00 - 03	Seq Remote Knob Function Select	Group1, 2, 3, 4	
01	00	03	1	00 - 7F	Seq Remote Mode Top Switch Message	0 - 127	
01	00	04	1	00 - 0F, 7F	Seq Remote Mode Top Switch Channel	1 - 16,off	
01	00	05	1	00 - 7F	Seq Remote Mode << Switch Message	0 - 127	
01	00	06	1	00 - 7F	Seq Remote Mode << Switch on Value	0 - 127	
01	00	07	1	00 - 7F	Seq Remote Mode << Switch off Value	0 - 127	
01	00	08	1	00 - 0F, 7F	Seq Remote Mode << Switch Channel	1 - 16, off	
01	00	09	1	00 - 7F	Seq Remote Mode >> Switch Message	0 - 127	
01	00	0A	1	00 - 7F	Seq Remote Mode >> Switch on Value	0 - 127	
01	00	0B	1	00 - 7F	Seq Remote Mode >> Switch off Value	0 - 127	
01	00	0C	1	00 - 0F, 7F	Seq Remote Mode >> Switch Channel	1 - 16, off	
01	00	0D	1	00 - 7F	Seq Remote Mode Rec Switch Message	0 - 127	
01	00	0E	1	00 - 0F, 7F	Seq Remote Mode Rec Switch Channel	1 - 16, off	
01	00	0F	1	00 - 7F	Seq Remote Mode Stop Switch Message	0 - 127	
01	00	10	1	00 - 0F, 7F	Seq Remote Mode Stop Switch Channel	1 - 16, off	
01	00	11	1	00 - 7F	Seq Remote Mode Play Switch Message	0 - 127	
01	00	12	1	00 - 0F, 7F	Seq Remote Mode Play Switch Channel	1 - 16, off	

TOTAL SIZE = 19 13 (HEX)

02	tt	00	1	00 - 7F	Seq Remote Mode Track Select Switch Message	0 - 127	
02	tt	01	1	00 - 0F, 7F	Seq Remote Mode Track Select Switch Channel	1 - 16, off	
02	tt	02	1	00 - 7F	Seq Remote Mode Track Mute Switch Message	0 - 127	
02	tt	03	1	00 - 7F	Seq Remote Mode Track Mute on Value	0 - 127	
02	tt	04	1	00 - 7F	Seq Remote Mode Track Mute off Value	0 - 127	
02	tt	05	1	00 - 0F, 7F	Seq Remote Mode Track Mute Switch Channel	1 - 16, off	
02	tt	06	1	00 - 7F	Seq Remote Mode Slider Message	0 - 127	
02	tt	07	1	00 - 0F, 7F	Seq Remote Mode Slider Channel	1 - 16, off	
02	tt	08	1	00 - 32	Seq Remote Mode Slider Name	0 - 50	
02	tt	09	1	00 - 7F	Seq Remote Mode Group1 Knob1 Message	0 - 127	
02	tt	0A	1	00 - 0F, 7F	Seq Remote Mode Group1 Knob1 Channel	1 - 16, off	
02	tt	0B	1	00 - 32	Seq Remote Mode Group1 Knob1 Name	---, Vol, Pan, Fx1, …	
02	tt	0C	1	00 - 7F	Seq Remote Mode Group1 Knob2 Message	0 - 127	
02	tt	0D	1	00 - 0F, 7F	Seq Remote Mode Group1 Knob2 Channel	1 - 16, off	
02	tt	0E	1	00 - 32	Seq Remote Mode Group1 Knob2 Name	---, Vol, Pan, Fx1, …	
02	tt	0F	1	00 - 7F	Seq Remote Mode Group1 Knob3 Message	0 - 127	
02	tt	10	1	00 - 0F, 7F	Seq Remote Mode Group1 Knob3 Channel	1 - 16, off	
02	tt	11	1	00 - 32	Seq Remote Mode Group1 Knob3 Name	---, Vol, Pan, Fx1, …	

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
02	tt	12	1	00 - 7F	Seq Remote Mode Group1 Knob4 Message	0 - 127	
02	tt	13	1	00 - 0F, 7F	Seq Remote Mode Group1 Knob4 Channel	1 - 16, off	
02	tt	14	1	00 - 32	Seq Remote Mode Group1 Knob4 Name	---, Vol, Pan, Fx1, ...	
02	tt	15	1	00 - 7F	Seq Remote Mode Group2 Knob1 Message	0 - 127	
02	tt	16	1	00 - 0F, 7F	Seq Remote Mode Group2 Knob1 Channel	1 - 16, off	
02	tt	17	1	00 - 32	Seq Remote Mode Group2 Knob1 Name	---, Vol, Pan, Fx1, ...	
02	tt	18	1	00 - 7F	Seq Remote Mode Group2 Knob2 Message	0 - 127	
02	tt	19	1	00 - 0F, 7F	Seq Remote Mode Group2 Knob2 Channel	1 - 16, off	
02	tt	1A	1	00 - 32	Seq Remote Mode Group2 Knob2 Name	---, Vol, Pan, Fx1, ...	
02	tt	1B	1	00 - 7F	Seq Remote Mode Group2 Knob3 Message	0 - 127	
02	tt	1C	1	00 - 0F, 7F	Seq Remote Mode Group2 Knob3 Channel	1 - 16, off	
02	tt	1D	1	00 - 32	Seq Remote Mode Group2 Knob3 Name	---, Vol, Pan, Fx1, ...	
02	tt	1E	1	00 - 7F	Seq Remote Mode Group2 Knob4 Message	0 - 127	
02	tt	1F	1	00 - 0F, 7F	Seq Remote Mode Group2 Knob4 Channel	1 - 16,off	
02	tt	20	1	00 - 32	Seq Remote Mode Group2 Knob4 Name	---, Vol, Pan, Fx1, ...	
02	tt	21	1	00 - 7F	Seq Remote Mode Group3 Knob1 Message	0 - 127	
02	tt	22	1	00 - 0F, 7F	Seq Remote Mode Group3 Knob1 Channel	1 - 16, off	
02	tt	23	1	00 - 32	Seq Remote Mode Group3 Knob1 Name	---, Vol, Pan, Fx1, ...	
02	tt	24	1	00 - 7F	Seq Remote Mode Group3 Knob2 Message	0 - 127	
02	tt	25	1	00 - 0F, 7F	Seq Remote Mode Group3 Knob2 Channel	1 - 16, off	
02	tt	26	1	00 - 32	Seq Remote Mode Group3 Knob2 Name	---, Vol, Pan, Fx1, ...	
02	tt	27	1	00 - 7F	Seq Remote Mode Group3 Knob3 Message	0 - 127	
02	tt	28	1	00 - 0F, 7F	Seq Remote Mode Group3 Knob3 Channel	1 - 16, off	
02	tt	29	1	00 - 32	Seq Remote Mode Group3 Knob3 Name	---, Vol, Pan, Fx1, ...	
02	tt	2A	1	00 - 7F	Seq Remote Mode Group3 Knob4 Message	0 - 127	
02	tt	2B	1	00 - 0F, 7F	Seq Remote Mode Group3 Knob4 Channel	1 - 16, off	
02	tt	2C	1	00 - 32	Seq Remote Mode Group3 Knob4 Name	---, Vol, Pan, Fx1, ...	
02	tt	2D	1	00 - 7F	Seq Remote Mode Group4 Knob1 Message	0 - 127	
02	tt	2E	1	00 - 0F, 7F	Seq Remote Mode Group4 Knob1 Channel	1 - 16, off	
02	tt	2F	1	00 - 32	Seq Remote Mode Group4 Knob1 Name	---, Vol, Pan, Fx1, ...	
02	tt	30	1	00 - 7F	Seq Remote Mode Group4 Knob2 Message	0 - 127	
02	tt	31	1	00 - 0F, 7F	Seq Remote Mode Group4 Knob2 Channel	1 - 16, off	
02	tt	32	1	00 - 32	Seq Remote Mode Group4 Knob2 Name	---, Vol, Pan, Fx1, ...	
02	tt	33	1	00 - 7F	Seq Remote Mode Group4 Knob3 Message	0 - 127	
02	tt	34	1	00 - 0F, 7F	Seq Remote Mode Group4 Knob3 Channel	1 - 16, off	
02	tt	35	1	00 - 32	Seq Remote Mode Group4 Knob3 Name	---, Vol, Pan, Fx1, ...	
02	tt	36	1	00 - 7F	Seq Remote Mode Group4 Knob4 Message	0 - 127	
02	tt	37	1	00 - 0F, 7F	Seq Remote Mode Group4 Knob4 Channel	1 - 16, off	
02	tt	38	1	00 - 32	Seq Remote Mode Group4 Knob4 Name	---, Vol, Pan, Fx1, ...	

TOTAL SIZE = 57 39 (HEX)

tt = Track number
00 - 0F Track 1 - 16

MIDI PARAMETER CHANGE TABLE (MASTER)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
33	00	00	1	20 - 7E	Master Name1	32..126(ASCII)	
33	00	01	1	20 - 7E	Master Name2	32..126(ASCII)	
33	00	02	1	20 - 7E	Master Name3	32..126(ASCII)	
33	00	03	1	20 - 7E	Master Name4	32..126(ASCII)	
33	00	04	1	20 - 7E	Master Name5	32..126(ASCII)	
33	00	05	1	20 - 7E	Master Name6	32..126(ASCII)	
33	00	06	1	20 - 7E	Master Name7	32..126(ASCII)	
33	00	07	1	20 - 7E	Master Name8	32..126(ASCII)	
33	00	08	1	20 - 7E	Master Name9	32..126(ASCII)	
33	00	09	1	20 - 7E	Master Name10	32..126(ASCII)	
33	00	0A	1	00	reserved		
33	00	0B	1	00	reserved		
33	00	0C	1	00	reserved		
33	00	0D	1	00 - 03	Mode Change	0=Voice, 1=Performance, 2=Pattern, 3=Song	
33	00	0E	1	00 - 7F	Bank MSB for Voice/Perf Mode	0..127	
33	00	0F	1	00 - 7F	Bank LSB for Voice/Perf Mode	0..127	
33	00	10	1	00 - 7F	Program Number	1..128	
33	00	11	1	00 - 01	Zone on/off for Performance Mode	off, on	
33	00	12	1	00 - 04	Knob/Slider Function Select	0=Pan&Send, 1=Tone, 2=Assign, 3=MeqOffset, 4=Zone	

TOTAL SIZE = 19 13 (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
32	nn	00	1	00 - 3F	Transmit Channel, MIDI/TG Switch	bit0-3: Ch1..16	
						bit4: MIDI off,on	
						bit5: TG off,on	
32	nn	01	1	3D - 43	Transpose (Octave)	-3..+3	
32	nn	02	1	35 - 4B	Transpose (Semitone)	-11..+11(semitones)	
32	nn	03	1	00 - 7F	Note Limit Low	C-2..G8	
32	nn	04	1	00 - 7F	Note Limit High	C-2..G8	
32	nn	05	1	00 - 03	Transmit Bank Select for TG	bit0: off, on Bank Select	
					Transmit Program Change for TG	bit1: off, on Program Change	
32	nn	06	1	7F	reserved		
32	nn	07	1	00 - 7F	MIDI Volume	0..127	
32	nn	08	1	00 - 7F	MIDI Pan	0..127	
32	nn	09	1	00 - 7F	MIDI Bank MSB	0..127	
32	nn	0A	1	00 - 7F	MIDI Bank LSB	0..127	
32	nn	0B	1	00 - 7F	MIDI Program Number	1..128	
32	nn	0C	1	00 - 7F	Transmit Volume/Expression	bit0: off, on Volume/Expression	Ctrl#7,11
					Transmit Pan	bit1: off, on Pan	
					Transmit Sustain	bit2: off, on Sustain	
					Transmit Bank Select for MIDI	bit3: off, on Bank Select	
					Transmit Program Change for MIDI	bit4: off, on Program Change	
					Transmit AT	bit5: off, on AT	
					Transmit PB	bit6: off, on PB	
32	nn	0D	1	00 - 7F	Transmit FC2	bit0: off, on FC2	
					Transmit FS	bit1: off, on FS	
					Transmit FC1	bit2: off, on FC1	
					Transmit BC	bit3: off, on BC	
					Transmit MW	bit4: off, on MW	
					Transmit Assignable Slider	bit5: off, on Assignable Slider	
					Transmit Assignable Knob	bit6: off, on Assignable Knob	
32	nn	0E	1	00 - 5F	Control Slider Control Number	off, 1 - 95	
32	nn	0F	1	00 - 5F	Control knob Control Number	off, 1 - 95	

TOTAL SIZE = 16 10 (HEX)

nn = zone number 00 - 03

MIDI PARAMETER CHANGE TABLE (PERFORMANCE COMMON)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
30	00	00	1	20 - 7E	Performance Name1	32..126(ASCII)	
30	00	01	1	20 - 7E	Performance Name2	32..126(ASCII)	
30	00	02	1	20 - 7E	Performance Name3	32..126(ASCII)	
30	00	03	1	20 - 7E	Performance Name4	32..126(ASCII)	
30	00	04	1	20 - 7E	Performance Name5	32..126(ASCII)	
30	00	05	1	20 - 7E	Performance Name6	32..126(ASCII)	
30	00	06	1	20 - 7E	Performance Name7	32..126(ASCII)	
30	00	07	1	20 - 7E	Performance Name8	32..126(ASCII)	
30	00	08	1	20 - 7E	Performance Name9	32..126(ASCII)	
30	00	09	1	20 - 7E	Performance Name10	32..126(ASCII)	
30	00	0A	1	00	reserved		
30	00	0B	1	00	reserved		
30	00	0C	1	00 - 10	Performance Category(Main)	0..16(--..Co)	Ap, Kb, Or, Gt, Ba, St, Br, Rp, Ld, Pd, Sc,Cp,Dr,Se,Me,Co
30	00	0D	1	00 - 03	Performance Category(Sub)	0..3(--.Sub1..Sub3)	depens on Main Category
30	00	0E	1	00	reserved		
30	00	0F	1	00	reserved		
30	00	10	1	10	reserved		
30	00	11	1	00 - 01	ARP MIDI Out Switch	off, on	
30	00	12	1	00 - 10	ARP MIDI Out Channel	1..16, kbd-ch	
30	00	13	1	00 - 02	QED ARP Type Bank	pre1, pre2, user	
30	00	14	1	00 - 7F	QED ARP Type	UpOct1 - GateCut3	

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
30	00	15	1	00 - 01	ARP Switch	off, on	
30	00	16	1	00 - 02	ARP Hold	sync-off, off, on	
30	00	17	1	00 - 06	ARP Unit Multiply	50%, 66%, 75%, 100%, 133%, 150%, 200%	
30	00	18	1	00 - 7F	ARP Note Limit Low	C-2..G8	
30	00	19	1	00 - 7F	ARP Note Limit High	C-2..G8	
30	00	1A	1	01 - 7F	ARP Velocity Limit Low	1 - 127	
30	00	1B	1	01 - 7F	ARP Velocity Limit High	1 - 127	
30	00	1C	1	00 - 02	ARP Key Mode	sort, thru, direct	
30	00	1D	1	00 - 01	ARP Vel Mode	original,thru	
30	00	1E	2	0000 - 00C8	ARP Velocity Rate MSB ARP Velocity Rate LSB	0...200%	
30	00	20	2	0000 - 00C8	ARP Gate Time Rate MSB ARP Gate TIme Rate LSB	0...200%	
30	00	22	2	0001 - 012C	QED ARP Tempo MSB QED ARP Tempo LSB	1..300	
30	00	24	1	00 - 03	Knob Function Select	0=Pan&Send, 1=Tone, 2=Assign, 3=MeqOffset	
30	00	25	1	01 - 7F	Pan	L63..C..R63	
30	00	26	1	00 - 7F	Chorus Control	-64..+63	
30	00	27	1	00 - 7F	QED Decay Time	-64..+63	
30	00	28	1	00 - 7F	QED Sustain Level	-64..+63	
30	00	29	1	00 - 7F	QED FEG Attack Time	-64..+63	
30	00	2A	1	00 - 7F	QED FEG Decay Time	-64..+63	
30	00	2B	1	00 - 7F	QED FEG Release Time	-64..+63	
30	00	2C	1	40	reserved		
30	00	2D	1	00 - 7F	QED FEG Depth	-64..+63	
30	00	2E	1	00 - 7F	KnobA	-64..+63	
30	00	2F	1	00 - 7F	KnobB	-64..+63	
30	00	30	1	40	reserved		
30	00	31	1	00 - 7F	EQ Low Gain	-64..+63	
30	00	32	1	00 - 7F	EQ Low Mid Gain	-64..+63	
30	00	33	1	00 - 7F	EQ High Mid Gain	-64..+63	
30	00	34	1	00 - 7F	EQ High Gain	-64..+63	
30	00	35	1	00 - 7F	Scene 1 Assign1	-64..+63	
30	00	36	1	00 - 7F	Scene 1 Assign2	-64..+63	
30	00	37	1	00 - 7F	Scene 1 Cutoff Frequency	-64..+63	
30	00	38	1	00 - 7F	Scene 1 Resonance	-64..+63	
30	00	39	1	00 - 7F	Scene 1 Attack Time	-64..+63	
30	00	3A	1	00 - 7F	Scene 1 Release Time	-64..+63	
30	00	3B	1	40	reserved		
30	00	3C	1	40	reserved		
30	00	3D	1	40	reserved		
30	00	3E	1	40	reserved		
30	00	3F	1	40	reserved		
30	00	40	1	40	reserved		
30	00	41	1	40	reserved		
30	00	42	1	00 - 7F	Volume	0..127	
30	00	43	1	00 - 7F	QED Portamento Time	-64..+63	
30	00	44	1	00 - 01	QED Portamento Switch	off, on	
30	00	45	1	00 - 7F	Reverb Send	0..127	
30	00	46	1	00 - 7F	Chorus Send	0..127	
30	00	47	1	00	reserved		
30	00	48	1	00 - 5F	Assign1 Control Number	off, 1 - 95	
30	00	49	1	00 - 5F	Assign2 Control Number	off, 1 - 95	
30	00	4A	1	00 - 5F	BC Control Number	off, 1 - 95	
30	00	4B	1	00 - 5F	FC2 Control Number	off, 1 - 95	
30	00	4C	1	00 - 5F	FC1 Control Number	off, 1 - 95	
30	00	4D	1	00 - 7F	Voice Insertion Effect Part	0 - 3: Part1…4 96 - 98: PB Part1, 2, 3 127: off	
30	00	4E	1		reserved		
30	00	4F	1	00 - 7F	InsEF Plug-in Part	0 - 3: Part1…4 64: PartAD 97 - 98: PB Part2, 3 127: off	
30	00	50	1	00 - 03	A/D Input Mode	L mono, R mono, L+R mono, stereo	
30	00	51	1	00 - 7F	A/D Part Volume	0 - 127	
30	00	52	1	01 - 7F	A/D Part Pan	L63 - C - R63	
30	00	53	1	00 - 7F	A/D Part Reverb Send	0 - 127	
30	00	54	1	00 - 7F	A/D Part Chorus Send	0 - 127	
30	00	55	1	00 - 7F	A/D Part Variation Send	0 - 127	
30	00	56	1	00 - 7F	A/D Part Dry Level	0 - 127	
30	00	57	1	00 - 71	A/D Part Output Select	0: L&R 8: asnL&R, 9: asn1&2, 10: asn3&4, 11: asn5&6 64 - 71: asnL, asnR - asn5, asn6	

TOTAL SIZE = 88 58 (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
30	01	00	2	00 - 7F	Reverb Type MSB	Refer to Effect Parameter List	
				00 - 7F	Reverb Type LSB		
30	01	02	2	00 - 7F	Reverb Parameter 1 MSB	〃	
				00 - 7F	Reverb Parameter 1 LSB		
30	01	04	2	00 - 7F	Reverb Parameter 2 MSB	〃	
				00 - 7F	Reverb Parameter 2 LSB		
30	01	06	2	00 - 7F	Reverb Parameter 3 MSB	Refer to Effect Parameter List	
				00 - 7F	Reverb Parameter 3 LSB		
30	01	08	2	00 - 7F	Reverb Parameter 4 MSB	〃	
				00 - 7F	Reverb Parameter 4 LSB		
30	01	0A	2	00 - 7F	Reverb Parameter 5 MSB	〃	
				00 - 7F	Reverb Parameter 5 LSB		
30	01	0C	2	00 - 7F	Reverb Parameter 6 MSB	〃	
				00 - 7F	Reverb Parameter 6 LSB		
30	01	0E	2	00 - 7F	Reverb Parameter 7 MSB	〃	
				00 - 7F	Reverb Parameter 7 LSB		
30	01	10	2	00 - 7F	Reverb Parameter 8 MSB	〃	
				00 - 7F	Reverb Parameter 8 LSB		
30	01	12	2	00 - 7F	Reverb Parameter 9 MSB	〃	
				00 - 7F	Reverb Parameter 9 LSB		
30	01	14	2	00 - 7F	Reverb Parameter 10 MSB	〃	
				00 - 7F	Reverb Parameter 10 LSB		
30	01	16	1	00 - 7F	Reverb Return	-∞dB…0dB…+6dB(0…96…127)	
30	01	17	1	01 - 7F	Reverb Pan	L63…C…R63	

TOTAL SIZE = 24 18 (HEX)

30	02	00	2	00 - 7F	Chorus Type MSB	Refer to Effect Parameter List	
				00 - 7F	Chorus Type LSB		
30	02	02	2	00 - 7F	Chorus Parameter 1 MSB	〃	
				00 - 7F	Chorus Parameter 1 LSB		
30	02	04	2	00 - 7F	Chorus Parameter 2 MSB	〃	
				00 - 7F	Chorus Parameter 2 LSB		
30	02	06	2	00 - 7F	Chorus Parameter 3 MSB	〃	
				00 - 7F	Chorus Parameter 3 LSB		
30	02	08	2	00 - 7F	Chorus Parameter 4 MSB	〃	
				00 - 7F	Chorus Parameter 4 LSB		
30	02	0A	2	00 - 7F	Chorus Parameter 5 MSB	〃	
				00 - 7F	Chorus Parameter 5 LSB		
30	02	0C	2	00 - 7F	Chorus Parameter 6 MSB	〃	
				00 - 7F	Chorus Parameter 6 LSB		
30	02	0E	2	00 - 7F	Chorus Parameter 7 MSB	〃	
				00 - 7F	Chorus Parameter 7 LSB		
30	02	10	2	00 - 7F	Chorus Parameter 8 MSB	〃	
				00 - 7F	Chorus Parameter 8 LSB		
30	02	12	2	00 - 7F	Chorus Parameter 9 MSB	〃	
				00 - 7F	Chorus Parameter 9 LSB		
30	02	14	2	00 - 7F	Chorus Parameter 10 MSB	〃	
				00 - 7F	Chorus Parameter 10 LSB		
30	02	16	1	00 - 7F	Chorus Return	-∞dB…0dB…+6dB(0…96…127)	
30	02	17	1	01 - 7F	Chorus Pan	L63…C…R63	
30	02	18	1	00 - 7F	Send Chorus To Reverb	-∞dB…0dB(0…127)	

TOTAL SIZE = 25 19 (HEX)

30	03	00	2	00 - 7F	Variation Type MSB (for Performance)	Refer to Effect Parameter List	
				00 - 7F	Variation Type LSB		
30	03	02	2	00 - 7F	Variation Parameter1 MSB	〃	
				00 - 7F	Variation Parameter1 LSB		
30	03	04	2	00 - 7F	Variation Parameter2 MSB	〃	
				00 - 7F	Variation Parameter2 LSB		
30	03	06	2	00 - 7F	Variation Parameter3 MSB	〃	
				00 - 7F	Variation Parameter3 LSB		
30	03	08	2	00 - 7F	Variation Parameter4 MSB	〃	
				00 - 7F	Variation Parameter4 LSB		
30	03	0A	2	00 - 7F	Variation Parameter5 MSB	〃	
				00 - 7F	Variation Parameter5 LSB		
30	03	0C	2	00 - 7F	Variation Parameter6 MSB	〃	
				00 - 7F	Variation Parameter6 LSB		
30	03	0E	2	00 - 7F	Variation Parameter7 MSB	〃	
				00 - 7F	Variation Parameter7 LSB		
30	03	10	2	00 - 7F	Variation Parameter8 MSB	〃	
				00 - 7F	Variation Parameter8 LSB		
30	03	12	2	00 - 7F	Variation Parameter9 MSB	〃	
				00 - 7F	Variation Parameter9 LSB		
30	03	14	2	00 - 7F	Variation Parameter10 MSB	〃	
				00 - 7F	Variation Parameter10 LSB		
30	03	16	2	00 - 7F	Variation Parameter11 MSB	〃	
				00 - 7F	Variation Parameter11 LSB		
30	03	18	2	00 - 7F	Variation Parameter12 MSB	〃	
				00 - 7F	Variation Parameter12 LSB		
30	03	1A	2	00 - 7F	Variation Parameter13 MSB	〃	
				00 - 7F	Variation Parameter13 LSB		
30	03	1C	2	00 - 7F	Variation Parameter14 MSB	〃	
				00 - 7F	Variation Parameter14 LSB		
30	03	1E	2	00 - 7F	Variation Parameter15 MSB	〃	
				00 - 7F	Variation Parameter15 LSB		
30	03	20	2	00 - 7F	Variation Parameter16 MSB	〃	
				00 - 7F	Variation Parameter16 LSB		
30	03	22	1	00 - 7F	Variation Return	-∞dB…0dB…+6dB(0…96…127)	
30	03	23	1	01 - 7F	Variation Pan	L63…C…R63	
30	03	24	1	00 - 7F	Send Variation To Reverb	-∞dB…0dB(0…127)	
30	03	25	1	00 - 7F	Send Variation To Chorus	-∞dB…0dB(0…127)	

TOTAL SIZE = 38 26 (HEX)

Address	Size	Data Range (HEX)	Prameter Name	Description	Notes
30 10 00	1	34 - 4C	EQ Gain1	-12 - +12[dB]	
30 10 01	1	04 - 28	EQ Frequency1	32 - 2000[Hz]	
30 10 02	1	01 - 78	EQ Q1	0. 1 - 12.0	
30 10 03	1	00 - 01	EQ Shape1	shelv,peak	
30 10 04	1	34 - 4C	EQ Gain2	-12 - +12[dB]	
30 10 05	1	0E - 36	EQ Frequency2	100 - 10.0[kHz]	
30 10 06	1	01 - 78	EQ Q2	0.1 - 12.0	
30 10 07	1	01	reserved		
30 10 08	1	34 - 4C	EQ Gain3	-12 - +12[dB]	
30 10 09	1	0E - 36	EQ Frequency3	100 - 10.0[kHz]	
30 10 0A	1	01 - 78	EQ Q3	0. 1- 12.0	
	1		Not Used		
30 10 0C	1	34 - 4C	EQ Gain4	-12 - +12[dB]	
30 10 0D	1	0E - 36	EQ Frequency4	100 - 10.0[kHz]	
30 10 0E	1	01 - 78	EQ Q4	0.1 - 12.0	
	1		Not Used		
30 10 10	1	34 - 4C	EQ Gain5	-12 - +12[dB]	
30 10 11	1	1C - 3A	EQ Frequency5	0.5 - 16.0[kHz]	
30 10 12	1	01 - 78	EQ Q5	0.1 - 12.0	
30 10 13	1	00 - 01	EQ Shape5	shelv,peak	

TOTAL SIZE = 20 14 (HEX)

30 20 00	16	00 - 7F	Plug-in Board Native System Parameter	(for InsEF Plug-in)	
30 20 10	48	00 - 7F	Plug-in Board Native Parameter	(for InsEF Plug-in)	
30 20 40	3	00 - 7F 00 - 7F 00 - 7F	Plug-in Board Type MSB Plug-in Board Type LSB Plug-in Board Version Number	(for InsEF Plug-in)	
43	1	00 - 7F	reserved		

TOTAL SIZE = 68 44 (HEX)

MIDI PARAMETER CHANGE TABLE (PERFORMANCE PART)

Address	Size	Data Range (HEX)	Prameter Name	Description	Notes
31 pp 00	1	00 - 7F	Bank Select MSB	0 - 127	
31 pp 01	1	00 - 7F	Bank Select LSB	0 - 127	
31 pp 02	1	00 - 7F	Program Number	1 - 128	
31 pp 03	1	00	reserved		
31 pp 04	1	00 - 01	Part Mode	mono, poly	
31 pp 05	1	01 - 7F	Velocity Limit Low	1 - 127	
31 pp 06	1	01 - 7F	Velocity Limit High	1 - 127	
31 pp 07	1	00 - 7F	Note Limit Low	C-2 - G8	
31 pp 08	1	00 - 7F	Note Limit High	C-2 - G8	
31 pp 09	1	10 - 58	Pitch Bend Range Upper	-48 - +24 (PB Part: -24 - +24)	
31 pp 0A	1	10 - 58	Pitch Bend Range Lower	-48 - +24	
31 pp 0B	1	00 - 7F	Velocity Sense Depth	0 - 127	
31 pp 0C	1	00 - 7F	Velocity Send Offset	0 - 127	
31 pp 0D	1	00 - 7F	Volume	0 - 127	
31 pp 0E	1	01 - 7F	Pan	L63 - C - R63	
31 pp 0F	1	40	reserved		
31 pp 10	2	00 - 0F 00 - 0F	Detune MSB Detune LSB	-12.8 - +12.7[Hz] 1st bit 3-0 → bit 7-4 2nd bit 3-0 → bit 3-0	
31 pp 12	1	00 - 7F	Reverb Send	0 - 127	
31 pp 13	1	00 - 7F	Chorus Send	0 - 127	
31 pp 14	1	00 - 7F	Variation Send	0 - 127	
31 pp 15	1	00 - 7F	Dry Level	0 - 127	
31 pp 16	1	28 - 58	Note Shift	-24 - +24[semitones]	
31 pp 17	1	00 - 7F	Filter Cutoff Frequency	-64 - +63	
31 pp 18	1	00 - 7F	Filter Resonance/Width	-64 - +63	
31 pp 19	1	40	reserved		
31 pp 1A	1	00 - 01	Portamento Switch	off, on	
31 pp 1B	1	00 - 7F	Portamento Time	0 - 127	
31 pp 1C	1	00 - 01	Portamento Mode	fingered, fulltime	
31 pp 1D	1	00	reserved		
31 pp 1E	1	00 - 7F	Output Select	0: L&R 8: asnL&R, 9: asn1&2, 10: asn3&4, 11: asn5&6 64 - 71: asnL, asnR - asn5, asn6 127: drum (or L&R)	
31 pp 1F	1	00 - 7F	Layer Sw Arpeggio Sw Receive Control Change Receive AT Receive PB	bit0: Layer Sw off, on bit1: Arpeggio Sw off, on bit2: off,on Control Change bit3: reserved bit4: reserved bit5: off, on AT bit6: off, on PB	Part1:on, Other:off Part1:on, Other:off
31 pp 20	1	00 - 7F	Receive Expression Receive Sustain/Sostenute Receive MW	bit0: off, on Expression bit1: reserved bit2: reserved bit3: off, on Sustain/Sostenute bit4: reserved bit5: off, on MW bit6: reserved	

Address	Size	Data Range (HEX)	Prameter Name	Description	Notes
31 pp 21	1	00 - 7F	Receive FC2 Receive FS Receive FC1 Receive BC Receive Knob1 Receive Knob2	bit0: off, on FC2 bit1: off, on FS bit2: off, on FC1 bit3: off, on BC bit4: off, on KN1 bit5: off, on KN2 bit6: reserved	
31 pp 22	1	00 - 7F	AEG Decay2 Level (EG Sustain Level)	-64 - +63	
31 pp 23	1	00 - 7F	AEG Attack Time (EG Attack Time)	-64 - +63	
31 pp 24	1	00 - 01	Voice Pan on/off	off, on	
31 pp 25	1	00 - 7F	AEG Decay2 Time (EG Decay Time)	-64 - +63	
31 pp 26	1	00 - 7F	AEG Release Time (EG Release Time)	-64 - +63	
31 pp 27	1	00 - 7F	FEG Decay2 Level (EG Sustain Level)	-64 - +63	
31 pp 28	1	00 - 7F	FEG Attack Time (EG Attack Time)	-64 - +63	
31 pp 29	1	40	reserved		
31 pp 2A	1	00 - 7F	FEG Decay2 Time (EG Decay Time)	-64 - +63	
31 pp 2B	1	00 - 7F	FEG Release Time (EG Release Time)	-64 - +63	
31 pp 2C	1	00 - 7F	FEG DEPTH	-64 - +63	

TOTAL SIZE = 45 2D (HEX)

pp = part number

00 - 0F	Part 1 - 4 (Normal, Drum)
60	Part Plug-in 1 (User, Preset, Direct)
61	Part Plug-in 2 (User, Preset, Direct)
62	Part Plug-in 3 (User, Preset, Direct)

MIDI PARAMETER CHANGE TABLE (NORMAL VOICE COMMON)

Address	Size	Data Range(HEX)	Prameter Name	Description	Notes
40 70 00	1	20 - 7E	Voice Name1	32..126(ASCII)	
40 70 01	1	20 - 7E	Voice Name2	32..126(ASCII)	
40 70 02	1	20 - 7E	Voice Name3	32..126(ASCII)	
40 70 03	1	20 - 7E	Voice Name4	32..126(ASCII)	
40 70 04	1	20 - 7E	Voice Name5	32..126(ASCII)	
40 70 05	1	20 - 7E	Voice Name6	32..126(ASCII)	
40 70 06	1	20 - 7E	Voice Name7	32..126(ASCII)	
40 70 07	1	20 - 7E	Voice Name8	32..126(ASCII)	
40 70 08	1	20 - 7E	Voice Name9	32..126(ASCII)	
40 70 09	1	20 - 7E	Voice Name10	32..126(ASCII)	
40 70 0A	1		reserved		
40 70 0B	1		reserved		
40 70 0C	1	00 - 10	Voice Category (Main)	0..16(--..Co)	Ap, Kb, Or, Gt, Ba, St, Br, Rp, Ld, Pd, Sc, Cp, Dr, Se, Me, Co
40 70 0D	1	00 - 03	Voice Category (Sub)	0..3(--.Sub1..Sub3)	
40 70 0E	1		reserved		
40 70 0F	1		reserved		
40 70 10	1		reserved		
40 70 11	1		reserved		
40 70 12	1		reserved		
40 70 13	1	00 - 02	QED ARP Type Bank	pre1, pre2, user	
40 70 14	1	00 - 7F	QED ARP Type	UpOct1 - GateCut3	
40 70 15	1	00 - 01	ARP Switch	off, on	
40 70 16	1	00 - 02	ARP Hold	sync-off, off, on	
40 70 17	1	00 - 06	ARP Unit Multiply	50%, 66%, 75%, 100%, 133%, 150%, 200%	
40 70 18	1	00 - 7F	ARP Note Limit Low	C-2..G8	
40 70 19	1	00 - 7F	ARP Note Limit High	C-2..G8	
40 70 1A	1	01 - 7F	ARP Velocity Limit Low	1 - 127	
40 70 1B	1	01 - 7F	ARP Velocity Limit High	1 - 127	
40 70 1C	1	00 - 02	ARP Key Mode	sort, thru, direct	
40 70 1D	1	00 - 01	ARP Vel Mode	original, thru	
40 70 1E	2	0000 - 00C8	ARP Velocity Rate MSB ARP Velocity Rate LSB	0...200%	
40 70 20	2	0000 - 00C8	ARP Gate Time Rate MSB ARP Gate TIme Rate LSB	0...200%	
40 70 22	2	0001 - 012C	QED ARP Tempo MSB QED ARP Tempo LSB	1..300	
40 70 24	1	00 - 03	Knob Function Select	0=Pan&Send, 1=Tone, 2=Assign, 3=MeqOffset	
40 70 25	1	01 - 7F	Pan	L63..C..R63	
40 70 26	1	00 - 7F	Chorus Control	-64..+63	
40 70 27	1	00 - 7F	QED Decay Time	-64..+63	
40 70 28	1	00 - 7F	QED Sustain Level	-64..+63	
40 70 29	1	00 - 7F	QED FEG Attack Time	-64..+63	
40 70 2A	1	00 - 7F	QED FEG Decay Time	-64..+63	
40 70 2B	1	00 - 7F	QED FEG Release Time	-64..+63	
40 70 2C	1	40	reserved		
40 70 2D	1	00 - 7F	QED FEG Depth	-64..+63	
40 70 2E	1	00 - 7F	KnobA	-64..+63	
40 70 2F	1	00 - 7F	KnobB	-64..+63	
40 70 30	1	40	reserved		
40 70 31	1	00 - 7F	EQ Low Gain	-64..+63	
40 70 32	1	00 - 7F	EQ Low Mid Gain	-64..+63	
40 70 33	1	00 - 7F	EQ High Mid Gain	-64..+63	
40 70 34	1	00 - 7F	EQ High Gain	-64..+63	
40 70 35	1	00 - 7F	Scene 1 Assign1	-64..+63	

Address			Size	Data Range(HEX)	Prameter Name	Description	Notes
40	70	36	1	00 - 7F	Scene 1 Assign2	-64..+63	
40	70	37	1	00 - 7F	Scene 1 Cutoff Frequency	-64..+63	
40	70	38	1	00 - 7F	Scene 1 Resonance	-64..+63	
40	70	39	1	00 - 7F	Scene 1 Attack Time	-64..+63	
40	70	3A	1	00 - 7F	Scene 1 Release Time	-64..+63	
40	70	3B	1	40	reserved		
40	70	3C	1	40	reserved		
40	70	3D	1	40	reserved		
40	70	3E	1	40	reserved		
40	70	3F	1	40	reserved		
40	70	40	1	40	reserved		
40	70	41	1	00	reserved		

TOTAL SIZE = 66 42 (HEX)

40	00	00	1	03	reserved		
40	00	01	1	00 - 7F	Volume	0 - 127	
40	00	02	1	00 - 01	Same Note Number Key On Assign	single, multi	
40	00	03	1	00 - 01	QED Mono/Poly Mode	mono, poly	
40	00	04	1	00 - 1F	Micro Tuning	Equal - Indian	
40	00	05	1	10 - 58	QED Pitch Bend Range Upper	-48 - +24[semitones]	
40	00	06	1	10 - 58	QED Pitch Bend Range Lower	-48 - +24[semitones]	
40	00	07	1	00 - 01	QED Portamento Mode	fingered, fulltime	
40	00	08	1	00 - 01	QED Portamento Switch	off, on	
40	00	09	1	00 - 7F	QED Portamento Time	0 - 127	
40	00	0A	1	00 - 01	Portamento Time Mode	rate, time	
40	00	0B	1	00 - 7F	Reverb Send	-∞dB…0dB	
40	00	0C	1	00 - 7F	Chorus Send	-∞dB…0dB	
40	00	0D	1	00	reserved		
40	00	0E	1	7F	reserved		

TOTAL SIZE = 15 0F (HEX)

40	00	40	1	00 - 02	Insertion Connect Type	Para, S->L, L->S	
40	00	41	1	7F	reserved		
40	00	42	1	7F	reserved		
40	00	43	1	00	reserved		

TOTAL SIZE = 4 04 (HEX)

40	01	00	2	00 - 7F	Reverb Type MSB	Refer to Effect Parameter List	
				00 - 7F	Reverb Type LSB		
40	01	02	2	00 - 7F	Reverb Parameter 1 MSB	〃	
				00 - 7F	Reverb Parameter 1 LSB		
40	01	04	2	00 - 7F	Reverb Parameter 2 MSB	〃	
				00 - 7F	Reverb Parameter 2 LSB		
40	01	06	2	00 - 7F	Reverb Parameter 3 MSB	〃	
				00 - 7F	Reverb Parameter 3 LSB		
40	01	08	2	00 - 7F	Reverb Parameter 4 MSB	〃	
				00 - 7F	Reverb Parameter 4 LSB		
40	01	0A	2	00 - 7F	Reverb Parameter 5 MSB	〃	
				00 - 7F	Reverb Parameter 5 LSB		
40	01	0C	2	00 - 7F	Reverb Parameter 6 MSB	〃	
				00 - 7F	Reverb Parameter 6 LSB		
40	01	0E	2	00 - 7F	Reverb Parameter 7 MSB	〃	
				00 - 7F	Reverb Parameter 7 LSB		
40	01	10	2	00 - 7F	Reverb Parameter 8 MSB	〃	
				00 - 7F	Reverb Parameter 8 LSB		
40	01	12	2	00 - 7F	Reverb Parameter 9 MSB	〃	
				00 - 7F	Reverb Parameter 9 LSB		
40	01	14	2	00 - 7F	Reverb Parameter 10 MSB	〃	
				00 - 7F	Reverb Parameter 10 LSB		
40	01	16	1	00 - 7F	Reverb Return	-∞dB…0dB…+6dB(0…96…127)	
40	01	17	1	01 - 7F	Reverb Pan	L63…C…R63	

TOTAL SIZE = 24 18 (HEX)

40	02	00	2	00 - 7F	Chorus Type MSB	Refer to Effect Parameter List	
				00 - 7F	Chorus Type LSB		
40	02	02	2	00 - 7F	Chorus Parameter 1 MSB	〃	
				00 - 7F	Chorus Parameter 1 LSB		
40	02	04	2	00 - 7F	Chorus Parameter 2 MSB	〃	
				00 - 7F	Chorus Parameter 2 LSB		
40	02	06	2	00 - 7F	Chorus Parameter 3 MSB	〃	
				00 - 7F	Chorus Parameter 3 LSB		
40	02	08	2	00 - 7F	Chorus Parameter 4 MSB	〃	
				00 - 7F	Chorus Parameter 4 LSB		
40	02	0A	2	00 - 7F	Chorus Parameter 5 MSB	〃	
				00 - 7F	Chorus Parameter 5 LSB		
40	02	0C	2	00 - 7F	Chorus Parameter 6 MSB	〃	
				00 - 7F	Chorus Parameter 6 LSB		
40	02	0E	2	00 - 7F	Chorus Parameter 7 MSB	〃	
				00 - 7F	Chorus Parameter 7 LSB		
40	02	10	2	00 - 7F	Chorus Parameter 8 MSB	〃	
				00 - 7F	Chorus Parameter 8 LSB		
40	02	12	2	00 - 7F	Chorus Parameter 9 MSB	〃	
				00 - 7F	Chorus Parameter 9 LSB		
40	02	14	2	00 - 7F	Chorus Parameter 10 MSB	〃	
				00 - 7F	Chorus Parameter 10 LSB		
40	02	16	1	00 - 7F	Chorus Return	-∞dB…0dB…+6dB(0…96…127)	
40	02	17	1	01 - 7F	Chorus Pan	L63…C…R63	
40	02	18	1	00 - 7F	Send Chorus To Reverb	-∞dB…0dB(0…127)	

TOTAL SIZE = 25 19 (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
40	03	00	2	00 - 7F	Insertion-1 Type MSB	Refer to Effect Parameter List	
				00 - 7F	Insertion-1 Type LSB		
40	03	02	2	00 - 7F	Insertion-1 Parameter1 MSB	〃	
				00 - 7F	Insertion-1 Parameter1 LSB		
40	03	04	2	00 - 7F	Insertion-1 Parameter2 MSB	〃	
				00 - 7F	Insertion-1 Parameter2 LSB		
40	03	06	2	00 - 7F	Insertion-1 Parameter3 MSB	〃	
				00 - 7F	Insertion-1 Parameter3 LSB		
40	03	08	2	00 - 7F	Insertion-1 Parameter4 MSB	〃	
				00 - 7F	Insertion-1 Parameter4 LSB		
40	03	0A	2	00 - 7F	Insertion-1 Parameter5 MSB	〃	
				00 - 7F	Insertion-1 Parameter5 LSB		
40	03	0C	2	00 - 7F	Insertion-1 Parameter6 MSB	〃	
				00 - 7F	Insertion-1 Parameter6 LSB		
40	03	0E	2	00 - 7F	Insertion-1 Parameter7 MSB	〃	
				00 - 7F	Insertion-1 Parameter7 LSB		
40	03	10	2	00 - 7F	Insertion-1 Parameter8 MSB	〃	
				00 - 7F	Insertion-1 Parameter8 LSB		
40	03	12	2	00 - 7F	Insertion-1 Parameter9 MSB	〃	
				00 - 7F	Insertion-1 Parameter9 LSB		
40	03	14	2	00 - 7F	Insertion-1 Parameter10 MSB	〃	
				00 - 7F	Insertion-1 Parameter10 LSB		

TOTAL SIZE = 22 16 (HEX)

40	04	00	2	00 - 7F	Insertion-2 Type MSB	Refer to Effect Parameter List	
				00 - 7F	Insertion-2 Type LSB		
40	04	02	2	00 - 7F	Insertion-2 Parameter 1 MSB	〃	
				00 - 7F	Insertion-2 Parameter 1 LSB		
40	04	04	2	00 - 7F	Insertion-2 Parameter 2 MSB	〃	
				00 - 7F	Insertion-2 Parameter 2 LSB		
40	04	06	2	00 - 7F	Insertion-2 Parameter 3 MSB	〃	
				00 - 7F	Insertion-2 Parameter 3 LSB		
40	04	08	2	00 - 7F	Insertion-2 Parameter 4 MSB	〃	
				00 - 7F	Insertion-2 Parameter 4 LSB		
40	04	0A	2	00 - 7F	Insertion-2 Parameter 5 MSB	〃	
				00 - 7F	Insertion-2 Parameter 5 LSB		
40	04	0C	2	00 - 7F	Insertion-2 Parameter 6 MSB	〃	
				00 - 7F	Insertion-2 Parameter 6 LSB		
40	04	0E	2	00 - 7F	Insertion-2 Parameter 7 MSB	〃	
				00 - 7F	Insertion-2 Parameter 7 LSB		
40	04	10	2	00 - 7F	Insertion-2 Parameter 8 MSB	〃	
				00 - 7F	Insertion-2 Parameter 8 LSB		
40	04	12	2	00 - 7F	Insertion-2 Parameter 9 MSB	〃	
				00 - 7F	Insertion-2 Parameter 9 LSB		
40	04	14	2	00 - 7F	Insertion-2 Parameter 10 MSB	〃	
				00 - 7F	Insertion-2 Parameter 10 LSB		
40	04	16	2	00 - 7F	Insertion-2 Parameter 11 MSB	〃	
				00 - 7F	Insertion-2 Parameter 11 LSB		
40	04	18	2	00 - 7F	Insertion-2 Parameter 12 MSB	〃	
				00 - 7F	Insertion-2 Parameter 12 LSB		
40	04	1A	2	00 - 7F	Insertion-2 Parameter 13 MSB	〃	
				00 - 7F	Insertion-2 Parameter 13 LSB		
40	04	1C	2	00 - 7F	Insertion-2 Parameter 14 MSB	〃	
				00 - 7F	Insertion-2 Parameter 14 LSB		
40	04	1E	2	00 - 7F	Insertion-2 Parameter 15 MSB	〃	
				00 - 7F	Insertion-2 Parameter 15 LSB		
40	04	20	2	00 - 7F	Insertion-2 Parameter 16 MSB	〃	
				00 - 7F	Insertion-2 Parameter 16 LSB		

TOTAL SIZE = 34 22 (HEX)

40	05	00	1	00 - 09	Controller Set1 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
40	05	01	2	00	Controller Set1 Destination MSB	0 - 62	
				00 - 3E	Controller Set1 Destination LSB		
40	05	03	1	00 - 7F	Controller Set1 Depth	-64 - +63	
40	05	04	1		reserved		
40	05	05	1	00 - 09	Controller Set2 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
40	05	06	2	00	Controller Set2 Destination MSB	0 - 62	
				00 - 3E	Controller Set2 Destination LSB		
40	05	08	1	00 - 7F	Controller Set2 Depth	-64 - +63	
40	05	09	1		reserved		
40	05	0A	1	00 - 09	Controller Set3 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
40	05	0B	2	00	Controller Set3 Destination MSB	0 - 62	
				00 - 3E	Controller Set3 Destination LSB		
40	05	0D	1	00 - 7F	Controller Set3 Depth	-64 - +63	
40	05	0E	1		reserved		
40	05	0F	1	00 - 09	Controller Set4 Source	PB, MW, ---, AT,FC2, FS,FC1, BC, KN1, KN2	
40	05	10	2	00	Controller Set4 Destination MSB	0 - 62	
				00 - 3E	Controller Set4 Destination LSB		
40	05	12	1	00 - 7F	Controller Set4 Depth	-64 - +63	
40	05	13	1		reserved		
40	05	14	1	00 - 09	Controller Set5 Source	PB, MW, ---, AT,FC2, FS,FC1, BC, KN1, KN2	
40	05	15	2	00	Controller Set5 Destination MSB	0 - 62	
				00 - 3E	Controller Set5 Destination LSB		
40	05	17	1	00 - 7F	Controller Set5 Depth	-64 - +63	
40	05	18	1		reserved		
40	05	19	1	00 - 09	Controller Set6 Source	PB, MW, ---, AT,FC2, FS,FC1, BC, KN1, KN2	

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
40	05	1A	2	00	Controller Set6 Destination MSB	0 - 62	
				00 - 3E	Controller Set6 Destination LSB		
40	05	1C	1	00 - 7F	Controller Set6 Depth	-64 - +63	
40	05	1D	1	00 - 0F	reserved		

TOTAL SIZE = 30 1E (HEX)

40	06	00	1	00 - 05	LFO Phase	0, 90,120,180, 240, 270	
40	06	01	1	00 - 0C	LFO Wave	tri, tri+, sawup, sawdwn, squ1/4, squ1/3, squ, squ2/3, squ3/4, trpzd, S/H1, S/H2, user	
40	06	02	1	00 - 3F	LFO Speed	0 - 63 (available only when the Tempo Sync is set to off)	
40	06	03	1	05 - 15	LFO TEMPO SPEED	5 - 21 (available only when the Tempo Sync is set to off)	16th,8th/3, 16th., 8th, 4th/3, 8th., 4th, 2th/3, 4th., 2nd, Whole/3, 2nd., 4thX4, 4thX6, 4thX6, 4thX7, 4thX8
40	06	04	1	00 - 01	LFO TEMPO SYNC	OFF, ON	
40	06	05	1	00 - 7F	LFO Delay Time	0 - 127	
40	06	06	1	00 - 7F	LFO Fade In Time	0 - 127	
40	06	07	1	00 - 7F	LFO Hold Time	0 - 127	
40	06	08	1	00 - 7F	LFO Fade Out Time	0 - 127	
40	06	09	1	00 - 02	LFO Key On Reset	off, each-on, 1st-on	
40	06	0A	1	00 - 05	LFO Box1 Destination	AMD, PMD, FMD, RESO, PAN, ELEMENT LFO SPEED	
40	06	0B	1	00 - 7F	LFO Box1 Depth	0 - 127	
40	06	0C	1		reserved		
40	06	0D	1	00 - 05	LFO Box2 Destination	AMD, PMD, FMD, RESO, PAN, ELEMENT LFO SPEED	
40	06	0E	1	00 - 7F	LFO Box2 Depth	0 - 127	
40	06	0F	1		reserved		
40	06	10	1	00 - 05	LFO Box3 Destination	AMD, PMD, FMD, RESO, PAN, ELEMENT LFO SPEED	
40	06	11	1	00 - 7F	LFO Box3 Depth	0 - 127	
40	06	12	1		reserved		
40	06	13	1	00 - 06	USER WAVE TOTAL STEP	2, 3, 4, 6, 8, 12, 16	
40	06	14	1	00 - 03	USER WAVE SLOPE	OFF, UP, DOWN, UP&DOWN	
40	06	15	1	00 - 7F	USER WAVE STEP VALUE1	0 - 127	
40	06	16	1	00 - 7F	USER WAVE STEP VALUE2	0 - 127	
40	06	17	1	00 - 7F	USER WAVE STEP VALUE3	0 - 127	
40	06	18	1	00 - 7F	USER WAVE STEP VALUE4	0 - 127	
40	06	19	1	00 - 7F	USER WAVE STEP VALUE5	0 - 127	
40	06	1A	1	00 - 7F	USER WAVE STEP VALUE6	0 - 127	
40	06	1B	1	00 - 7F	USER WAVE STEP VALUE7	0 - 127	
40	06	1C	1	00 - 7F	USER WAVE STEP VALUE8	0 - 127	
40	06	1D	1	00 - 7F	USER WAVE STEP VALUE9	0 - 127	
40	06	1E	1	00 - 7F	USER WAVE STEP VALUE10	0 - 127	
40	06	1F	1	00 - 7F	USER WAVE STEP VALUE11	0 - 127	
40	06	20	1	00 - 7F	USER WAVE STEP VALUE12	0 - 127	
40	06	21	1	00 - 7F	USER WAVE STEP VALUE13	0 - 127	
40	06	22	1	00 - 7F	USER WAVE STEP VALUE14	0 - 127	
40	06	23	1	00 - 7F	USER WAVE STEP VALUE15	0 - 127	
40	06	24	1	00 - 7F	USER WAVE STEP VALUE16	0 - 127	

TOTAL SIZE = 37 25 (HEX)

MIDI PARAMETER CHANGE TABLE (NORMAL VOICE ELEMENT)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
41	ee	00	1	00 - 01	ELEMENT ASSIGN	0:OFF, 1:ON	
41	ee	01	1	00 - 01	WAVE SELECT	0:PRESET, 1:USER WAVE	
41	ee	02	1	00	reserved		
41	ee	03	2	00 - 7F	Wave Number MSB	0 - 16383 (User: 0-256)	
				00 - 7F	Wave Number LSB	1st bit 6-0 → bit 13-7	
41	ee	05	1	01	reserved		
41	ee	06	1	01	reserved		
41	ee	07	1	00	reserved		
41	ee	08	1	01 - 7F	Pan	L63 - C - R63	
41	ee	09	1	00 - 7F	Random Pan Depth	0 - 127	
41	ee	0A	1	00 - 7F	Alternate Pan Depth	L64 - 0 - R63	
41	ee	0B	1	00 - 7F	Scaling Pan Depth	-64 - +63	
41	ee	0C	1	00 - 7F	Note Limit Low	0 - 127	
41	ee	0D	1	00 - 7F	Note Limit High	0 - 127	
41	ee	0E	1	01 - 7F	Velocity Limit Low	1 - 127	
41	ee	0F	1	01 - 7F	Velocity Limit High	1 - 127	
41	ee	10	1	00 - 7F	VELOCITY CROSS FADE	0 - 127	
41	ee	11	1	00 - 7F	Key On Delay	0 - 127	
41	ee	12	1	00	reserved		
41	ee	13	1	7F	reserved		
41	ee	14	1	7F	reserved		
41	ee	15	1	00	RESERVE	RESERVE for ELEMENT VAR SEND	
41	ee	16	1	00 - 02	Insertion Effect Switch	thru, ins1, ins2	
41	ee	17	1	00	reserved		
41	ee	18	2	00 - 00	CONTROL BOX SW	BIT0~6:RESERVE	
				00 - 3F		BIT0~5:BOX1~BOX6, BIT6:RESERVE	
41	ee	1A	2	00 - 00	LFO BOX SW	BIT0~6:RESERVE	
				00 - 07		BIT0~2:BOX1~BOX3, BIT3~6:RESERVE	

TOTAL SIZE = 28 1C (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
41	ee	20	1	00 - 7F	Element Level	0 - 127	
41	ee	21	1	00 - 7F	Level Velocity Snesitivity	-64 - +63	
41	ee	22	1	00 - 04	LEVEL SENS VELOCITY CURVE	00 - 04	
41	ee	23	1	00	reserved		
41	ee	24	1	00 - 7F	AEG Attack Time	0 - 127	
41	ee	25	1	00 - 7F	AEG Decay1 Time	0 - 127	
41	ee	26	1	00 - 7F	AEG Decay2 Time	0 - 127	
41	ee	27	1	00 - 7F	AEG Release Time	0 - 127	
41	ee	28	1	00 - 7F	AEG Init Level	0 - 127	
41	ee	29	1	00	reserved		
41	ee	2A	1	00 - 7F	AEG Decay1 Level	0 - 127	
41	ee	2B	1	00 - 7F	AEG Sustain Level	0 - 127	
41	ee	2C	1	00	reserved		
41	ee	2D	1	00 - 04	AEG Time Velocity Segment	ATK, ATK+DCY, DCY, ATK+RLS, ALL	
41	ee	2E	1	00 - 7F	AEG Time Velocity Sensitivity	-64 - +63	
41	ee	2F	1	00 - 7F	Level Key Follow Sensitivity	-200% - +200%	
41	ee	30	1	00 - 7C	Level Scaling Break Point 1	C -2 - E8	BP1<BP2<BP3<BP4
41	ee	31	1	01 - 7D	Level Scaling Break Point 2	C#-2 - F8	BP1<BP2<BP3<BP4
41	ee	32	1	02 - 7E	Level Scaling Break Point 3	D -2 - F#8	BP1<BP2<BP3<BP4
41	ee	33	1	03 - 7F	Level Scaling Break Point 4	D#-2 - G8	BP1<BP2<BP3<BP4
41	ee	34	2	00 - 01	Level Scaling Offset 1	-128 - +127	
				00 - 7F			
41	ee	36	2	00 - 01	Level Scaling Offset 2	-128 - +127	
				00 - 7F			
41	ee	38	2	00 - 01	Level Scaling Offset 3	-128 - +127	
				00 - 7F			
41	ee	3A	2	00 - 01	Level Scaling Offset 4	-128 - +127	
				00 - 7F			
41	ee	3C	1	00 - 7F	AEG Time Key Follow Sensitivity	-64 - +63	
41	ee	3D	1	00 - 7F	AEG Time Key Follow Center Note	C-2 - G8	

TOTAL SIZE = 30 1E (HEX)

42	ee	00	1	10 - 70	Coarse Tune	-48 - +48	
42	ee	01	1	00 - 7F	Fine Tune	-64 - +63	
42	ee	02	1	00 - 7F	VELOCITY->PITCH SENSITIVITY	-64 - +63	
42	ee	03	1	00	reserved		
42	ee	04	1	00 - 7F	Random Pitch Depth	0 - 127	
42	ee	05	1	00 - 7F	PEG Hold Time	0 - 127	
42	ee	06	1	00 - 7F	PEG Attack Time	0 - 127	
42	ee	07	1	00 - 7F	PEG Decay1 Time	0 - 127	
42	ee	08	1	00 - 7F	PEG Decay2 Time	0 - 127	
42	ee	09	1	00 - 7F	PEG Release Time	0 - 127	
42	ee	0A	2	00 - 01	PEG Hold Level	-128 - +127 (-4800 - +4800[cent])	
				00 - 7F			
42	ee	0C	2	00 - 01	PEG Attack Level	-128 - +127 (-4800 - +4800[cent])	
				00 - 7F			
42	ee	0E	2	00 - 01	PEG Decay1 Level	-128 - +127 (-4800 - +4800[cent])	
				00 - 7F			
42	ee	10	2	00 - 01	PEG Sustain Level	-128 - +127 (-4800 - +4800[cent])	
				00 - 7F			
42	ee	12	2	00 - 01	PEG Release Level	-128 - +127 (-4800 - +4800[cent])	
				00 - 7F			
42	ee	14	1	00 - 7F	PEG Depth	-64 - +63	
42	ee	15	1	00 - 04	PEG Time Velocity Segment	ATK, ATK+DCY, DCY, ATK+RLS, ALL	
42	ee	16	1	00 - 7F	PEG Time Velocity Sensitivity	-64 - +63	
42	ee	17	1	00 - 7F	PEG Level Velocity Sensitivity	-64 - +63	
42	ee	18	1	00 - 04	PEG LEVEL SENS VELOCITY CURVE	00 - 04	
42	ee	19	1	00 - 7F	Pitch Key Follow Sensitivity	-200% - +200%	
42	ee	1A	1	00 - 7F	Pitch Key Follow Center Note	C-2 - G8	
42	ee	1B	1	00 - 7F	PEG Time Key Follow Sensitivity	-64 - +63	
42	ee	1C	1	00 - 7F	PEG Time Key Follow Center Note	C-2 - G8	

TOTAL SIZE = 29 1D (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
43	ee	00	1	00 - 15	Filter Type	LPF24D, LPF24A, LPF18, LPF18s, LPF12, LPF6, HPF24D, HPF12, BPF12D, BPF12s, BPF6, BPFw, BEF12, BEF6, DualLPF, DualHPF, DualBPF, DualBEF, LPF12+HPF12, LPF12+BPF6, HPF12+BPF6, THRU	
43	ee	01	2	00 - 01 00 - 7F	Filter Cutoff Frequency	0 - 255	
43	ee	03	1	00 - 7F	Filter Cutoff Velocity Sensitivity	-64 - +63	
43	ee	04	1	02	reserved		
43	ee	05	1	00 - 1F	Filter Resonance/Width/Band	0 - 31	
43	ee	06	1	00 - 7F	Filter Resonance Velocity Sensitivity	-64 - +63	
43	ee	07	2	00 - 01 00 - 7F	HPF Cutoff Frequency	0 - 255	
43	ee	09	1	40	reserved		
43	ee	0A	2	00 - 01 00 - 7F	DISTANCE	0 - 255	
43	ee	0C	2	00 - 01 00 - 7F	Filter Gain	0 - 255	
43	ee	0E	1	00 - 7F	FEG Hold Time	0 - 127	
43	ee	0F	1	00 - 7F	FEG Attack Time	0 - 127	
43	ee	10	1	00 - 7F	FEG Decay1 Time	0 - 127	
43	ee	11	1	00 - 7F	FEG Decay2 Time	0 - 127	
43	ee	12	1	00 - 7F	FEG Release Time	0 - 127	
43	ee	13	2	00 - 01 00 - 7F	FEG Hold Level	-128 - +127 (-9600 - +9600[cent])	
43	ee	15	2	00 - 01 00 - 7F	FEG Attack Level	-128 - +127 (-9600 - +9600[cent])	
43	ee	17	2	00 - 01 00 - 7F	FEG Decay1 Level	-128 - +127 (-9600 - +9600[cent])	
43	ee	19	2	00 - 01 00 - 7F	FEG Sustain Level	-128 - +127 (-9600 - +9600[cent])	
43	ee	1B	2	00 - 01 00 - 7F	FEG Release Level	-128 - +127 (-9600 - +9600[cent])	
43	ee	1D	1	00 - 7F	FEG Depth	-64 - +63	
43	ee	1E	1	00 - 04	FEG Time Velocity Segment	ATK, ATK+DCY, DCY, ATK+RLS, ALL	
43	ee	1F	1	00 - 7F	FEG Time Velocity Sensitivity	-64 - +63	
43	ee	20	1	00 - 7F	FEG Level Velocity Sensitivity	-64 - +63	
43	ee	21	1	00 - 04	FEG LEVEL VELOCITY CURVE	00 - 04	
43	ee	22	1	00 - 7F	Filter Cutoff Key Follow Sensitivity	-200% - +200%	
43	ee	23	1	00 - 7C	Filter Cutoff Scaling Break Point 1	C -2 - E8	BP1<BP2<BP3<BP4
43	ee	24	1	01 - 7D	Filter Cutoff Scaling Break Point 2	C#-2 - F8	BP1<BP2<BP3<BP4
43	ee	25	1	02 - 7E	Filter Cutoff Scaling Break Point 3	D -2 - F#8	BP1<BP2<BP3<BP4
43	ee	26	1	03 - 7F	Filter Cutoff Scaling Break Point 4	D#-2 - G8	BP1<BP2<BP3<BP4
43	ee	27	2	00 - 01 00 - 7F	Filter Cutoff Scaling Offset 1	-128 - +127	
43	ee	29	2	00 - 01 00 - 7F	Filter Cutoff Scaling Offset 2	-128 - +127	
43	ee	2B	2	00 - 01 00 - 7F	Filter Cutoff Scaling Offset 3	-128 - +127	
43	ee	2D	2	00 - 01 00 - 7F	Filter Cutoff Scaling Offset 4	-128 - +127	
43	ee	2F	1	00 - 7F	HPF Cutoff Key Follow Sensitivity	-200% - +200%	
43	ee	30	1	00 - 7F	FEG Time Key Follow Sensitivity	-64 - +63	
43	ee	31	1	00 - 7F	FEG Time Key Follow Center Note	C-2 - G8	

TOTAL SIZE = 50 32 (HEX)

44	ee	00	1	00 - 05	EQ Type	EQ L/H, P.EQ, Boost6, Boost12, Boost18, thru	
44	ee	01	1	00 - 1F	EQ Resonance	0 - 31	
44	ee	02	2	00 - 01 00 - 7F	EQ 1 Frequency	EQ L/H: 46-182, P.EQ: 83-251	
44	ee	04	1	20 - 60	EQ 1 Gain	-32 - +32	
44	ee	05	2	00 - 01 00 - 7F	EQ 2 Frequency	EQ L/H:131-241	
44	ee	07	1	20 - 60	EQ 2 Gain	-32 - +32	

TOTAL SIZE = 8 08 (HEX)

44	ee	40	1	00 - 02	LFO Wave	saw,tri,squ	
44	ee	41	1	00 - 01	LFO Key On Sync	off,on	
44	ee	42	1	00 - 7F	LFO KEY ON DELAY TIME	0 - 127	
44	ee	43	1	00 - 3F	LFO Speed	0 - 63	
44	ee	44	1	00 - 7F	LFO AMod Depth	0 - 127	
44	ee	45	1	00 - 7F	LFO PMod Depth	0 - 127	
44	ee	46	1	00 - 7F	LFO FMod Depth	0 - 127	

TOTAL SIZE = 7 07 (HEX)

ee = Element Number (00..03: Element1..4)

MIDI PARAMETER CHANGE TABLE (DRUM VOICE COMMON)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
46	70	00	1	20 - 7E	Voice Name1	32..126(ASCII)	
46	70	01	1	20 - 7E	Voice Name2	32..126(ASCII)	
46	70	02	1	20 - 7E	Voice Name3	32..126(ASCII)	
46	70	03	1	20 - 7E	Voice Name4	32..126(ASCII)	
46	70	04	1	20 - 7E	Voice Name5	32..126(ASCII)	
46	70	05	1	20 - 7E	Voice Name6	32..126(ASCII)	
46	70	06	1	20 - 7E	Voice Name7	32..126(ASCII)	
46	70	07	1	20 - 7E	Voice Name8	32..126(ASCII)	
46	70	08	1	20 - 7E	Voice Name9	32..126(ASCII)	
46	70	09	1	20 - 7E	Voice Name10	32..126(ASCII)	
46	70	0A	1		reserved		
46	70	0B	1		reserved		
46	70	0C	1	00 - 10	Voice Category(Main)	0..16(--..Co)	Ap, Kb, Or, Gt, Ba,St, Br, Rp, Ld, Pd, Sc, Cp, Dr, Se, Me, Co
46	70	0D	1	00 - 03	Voice Category(Sub)	0..3(--.Sub1..Sub3)	depens on Main Category
46	70	0E	1		reserved		
46	70	0F	1		reserved		
46	70	10	1		reserved		
46	70	11	1		reserved		
46	70	12	1		reserved		
46	70	13	1	00 - 02	QED ARP Type Bank	pre1, pre2, user	
46	70	14	1	00 - 7F	QED ARP Type	BigBeat1 - Drm&Bs2 + α	
46	70	15	1	00 - 01	ARP Switch	off, on	
46	70	16	1	00 - 02	ARP Hold	sync-off, off, on	
46	70	17	1	00 - 06	ARP Unit Multiply	50%, 66%, 75%, 100%, 133%, 150%, 200%	
46	70	18	1	00 - 7F	ARP Note Limit Low	C-2..G8	
46	70	19	1	00 - 7F	ARP Note Limit High	C-2..G8	
46	70	1A	1	01 - 7F	ARP Velocity Limit Low	1 - 127	
46	70	1B	1	01 - 7F	ARP Velocity Limit High	1 - 127	
46	70	1C	1	00 - 02	ARP Key Mode	sort, thru, direct	
46	70	1D	1	00 - 01	ARP Vel Mode	original, thru	
46	70	1E	2	0000 - 00C8	ARP Velocity Rate MSB ARP Velocity Rate LSB	0...200%	
46	70	20	2	0000 - 00C8	ARP Gate Time Rate MSB ARP Gate TIme Rate LSB	0...200%	
46	70	22	2	0001 - 012C	QED ARP Tempo MSB QED ARP Tempo LSB	1..300	
46	70	24	1	00 - 03	Knob Function Select	0=Pan&Send, 1=Tone, 2=Assign, 3=MeqOffset	
46	70	25	1	01 - 7F	Pan	L63..C..R63	
46	70	26	1	00 - 7F	Chorus Control	-64..+63	
46	70	27	1	00 - 7F	QED Decay Time	-64..+63	
46	70	28	1	40	reserved		
46	70	29	1	40	reserved		
46	70	2A	1	40	reserved		
46	70	2B	1	40	reserved		
46	70	2C	1	40	reserved		
46	70	2D	1	40	reserved		
46	70	2E	1	00 - 7F	KnobA	-64..+63	
46	70	2F	1	00 - 7F	KnobB	-64..+63	
46	70	30	1	40	reserved		
46	70	31	1	00 - 7F	EQ Low Gain	-64..+63	
46	70	32	1	00 - 7F	EQ Low Mid Gain	-64..+63	
46	70	33	1	00 - 7F	EQ High Mid Gain	-64..+63	
46	70	34	1	00 - 7F	EQ High Gain	-64..+63	
46	70	35	1	00 - 7F	Scene 1 Assign1	-64..+63	
46	70	36	1	00 - 7F	Scene 1 Assign2	-64..+63	
46	70	37	1	00 - 7F	Scene 1 Cutoff Frequency	-64..+63	
46	70	38	1	00 - 7F	Scene 1 Resonance	-64..+63	
46	70	39	1	00 - 7F	Scene 1 Attack Time	-64..+63	
46	70	3A	1	40	reserved		
46	70	3B	1	40	reserved		
46	70	3C	1	40	reserved		
46	70	3D	1	40	reserved		
46	70	3E	1	40	reserved		
46	70	3F	1	40	reserved		
46	70	40	1	40	reserved		
46	70	41	1	00	reserved		

TOTAL SIZE = 66 42 (HEX)

46	00	00	1	00 - 7F	Volume	0 - 127	
46	00	01	1	00	reserved		
46	00	02	1	10 - 58	QED Pitch Bend Range Upper	-48 - +24[semitones]	
46	00	03	1	10 - 58	QED Pitch Bend Range Lower	-48 - +24[semitones]	
46	00	04	1	00 - 7F	Reverb Send	-∞dB...0dB	
46	00	05	1	00 - 7F	Chorus Send	-∞dB...0dB	
46	00	06	1	00	reserved		
46	00	07	1	7F	reserved		

TOTAL SIZE = 8 08 (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
46	00	40	1	00 - 02	Insertion Connect Type	Para, S->L, L->S	
46	00	41	1	00 - 7F	Ins-EF Reverb Send Level	0 - 127	
46	00	42	1	00 - 7F	Ins-EF Chorus Send Level	0 - 127	
46	00	43	1	00	reserved		

TOTAL SIZE = 4 04 (HEX)

46	01	00	2	00 - 7F	Reverb Type MSB	Refer to Effect Parameter List	
				00 - 7F	Reverb Type LSB		
46	01	02	2	00 - 7F	Reverb Parameter 1 MSB	″	
				00 - 7F	Reverb Parameter 1 LSB		
46	01	04	2	00 - 7F	Reverb Parameter 2 MSB	″	
				00 - 7F	Reverb Parameter 2 LSB		
46	01	06	2	00 - 7F	Reverb Parameter 3 MSB	″	
				00 - 7F	Reverb Parameter 3 LSB		
46	01	08	2	00 - 7F	Reverb Parameter 4 MSB	″	
				00 - 7F	Reverb Parameter 4 LSB		
46	01	0A	2	00 - 7F	Reverb Parameter 5 MSB	″	
				00 - 7F	Reverb Parameter 5 LSB		
46	01	0C	2	00 - 7F	Reverb Parameter 6 MSB	″	
				00 - 7F	Reverb Parameter 6 LSB		
46	01	0E	2	00 - 7F	Reverb Parameter 7 MSB	″	
				00 - 7F	Reverb Parameter 7 LSB		
46	01	10	2	00 - 7F	Reverb Parameter 8 MSB	″	
				00 - 7F	Reverb Parameter 8 LSB		
46	01	12	2	00 - 7F	Reverb Parameter 9 MSB	″	
				00 - 7F	Reverb Parameter 9 LSB		
46	01	14	2	00 - 7F	Reverb Parameter 10 MSB	″	
				00 - 7F	Reverb Parameter 10 LSB		
46	01	16	1	00 - 7F	Reverb Return	-∞dB…0dB…+6dB(0…96…127)	
46	01	17	1	01 - 7F	Reverb Pan	L63…C…R63	

TOTAL SIZE = 24 18 (HEX)

46	02	00	2	00 - 7F	Chorus Type MSB	Refer to Effect Parameter List	
				00 - 7F	Chorus Type LSB		
46	02	02	2	00 - 7F	Chorus Parameter 1 MSB	″	
				00 - 7F	Chorus Parameter 1 LSB		
46	02	04	2	00 - 7F	Chorus Parameter 2 MSB	″	
				00 - 7F	Chorus Parameter 2 LSB		
46	02	06	2	00 - 7F	Chorus Parameter 3 MSB	″	
				00 - 7F	Chorus Parameter 3 LSB		
46	02	08	2	00 - 7F	Chorus Parameter 4 MSB	″	
				00 - 7F	Chorus Parameter 4 LSB		
46	02	0A	2	00 - 7F	Chorus Parameter 5 MSB	″	
				00 - 7F	Chorus Parameter 5 LSB		
46	02	0C	2	00 - 7F	Chorus Parameter 6 MSB	″	
				00 - 7F	Chorus Parameter 6 LSB		
46	02	0E	2	00 - 7F	Chorus Parameter 7 MSB	″	
				00 - 7F	Chorus Parameter 7 LSB		
46	02	10	2	00 - 7F	Chorus Parameter 8 MSB	″	
				00 - 7F	Chorus Parameter 8 LSB		
46	02	12	2	00 - 7F	Chorus Parameter 9 MSB	″	
				00 - 7F	Chorus Parameter 9 LSB		
46	02	14	2	00 - 7F	Chorus Parameter 10 MSB	″	
				00 - 7F	Chorus Parameter 10 LSB		
46	02	16	1	00 - 7F	Chorus Return	-∞dB…0dB…+6dB(0…96…127)	
46	02	17	1	01 - 7F	Chorus Pan	L63…C…R63	
46	02	18	1	00 - 7F	Send Chorus To Reverb	-∞dB…0dB(0…127)	

TOTAL SIZE = 25 19 (HEX)

46	03	00	2	00 - 7F	Insertion-1 Type MSB	Refer to Effect Parameter List	
				00 - 7F	Insertion-1 Type LSB		
46	03	02	2	00 - 7F	Insertion-1 Parameter1 MSB	″	
				00 - 7F	Insertion-1 Parameter1 LSB		
46	03	04	2	00 - 7F	Insertion-1 Parameter2 MSB	″	
				00 - 7F	Insertion-1 Parameter2 LSB		
46	03	06	2	00 - 7F	Insertion-1 Parameter3 MSB	″	
				00 - 7F	Insertion-1 Parameter3 LSB		
46	03	08	2	00 - 7F	Insertion-1 Parameter4 MSB	″	
				00 - 7F	Insertion-1 Parameter4 LSB		
46	03	0A	2	00 - 7F	Insertion-1 Parameter5 MSB	″	
				00 - 7F	Insertion-1 Parameter5 LSB		
46	03	0C	2	00 - 7F	Insertion-1 Parameter6 MSB	″	
				00 - 7F	Insertion-1 Parameter6 LSB		
46	03	0E	2	00 - 7F	Insertion-1 Parameter7 MSB	″	
				00 - 7F	Insertion-1 Parameter7 LSB		
46	03	10	2	00 - 7F	Insertion-1 Parameter8 MSB	″	
				00 - 7F	Insertion-1 Parameter8 LSB		
46	03	12	2	00 - 7F	Insertion-1 Parameter9 MSB	″	
				00 - 7F	Insertion-1 Parameter9 LSB		
46	03	14	2	00 - 7F	Insertion-1 Parameter10 MSB	″	
				00 - 7F	Insertion-1 Parameter10 LSB		

TOTAL SIZE = 22 16 (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
46	04	00	2	00 - 7F	Insertion-2 Type MSB	Refer to Effect Parameter List	
				00 - 7F	Insertion-2 Type LSB		
46	04	02	2	00 - 7F	Insertion-2 Parameter 1 MSB	″	
				00 - 7F	Insertion-2 Parameter 1 LSB		
46	04	04	2	00 - 7F	Insertion-2 Parameter 2 MSB	″	
				00 - 7F	Insertion-2 Parameter 2 LSB		
46	04	06	2	00 - 7F	Insertion-2 Parameter 3 MSB	″	
				00 - 7F	Insertion-2 Parameter 3 LSB		
46	04	08	2	00 - 7F	Insertion-2 Parameter 4 MSB	″	
				00 - 7F	Insertion-2 Parameter 4 LSB		
46	04	0A	2	00 - 7F	Insertion-2 Parameter 5 MSB	″	
				00 - 7F	Insertion-2 Parameter 5 LSB		
46	04	0C	2	00 - 7F	Insertion-2 Parameter 6 MSB	″	
				00 - 7F	Insertion-2 Parameter 6 LSB		
46	04	0E	2	00 - 7F	Insertion-2 Parameter 7 MSB	″	
				00 - 7F	Insertion-2 Parameter 7 LSB		
46	04	10	2	00 - 7F	Insertion-2 Parameter 8 MSB	″	
				00 - 7F	Insertion-2 Parameter 8 LSB		
46	04	12	2	00 - 7F	Insertion-2 Parameter 9 MSB	″	
				00 - 7F	Insertion-2 Parameter 9 LSB		
46	04	14	2	00 - 7F	Insertion-2 Parameter 10 MSB	″	
				00 - 7F	Insertion-2 Parameter 10 LSB		
46	04	16	2	00 - 7F	Insertion-2 Parameter 11 MSB	″	
				00 - 7F	Insertion-2 Parameter 11 LSB		
46	04	18	2	00 - 7F	Insertion-2 Parameter 12 MSB	″	
				00 - 7F	Insertion-2 Parameter 12 LSB		
46	04	1A	2	00 - 7F	Insertion-2 Parameter 13 MSB	″	
				00 - 7F	Insertion-2 Parameter 13 LSB		
46	04	1C	2	00 - 7F	Insertion-2 Parameter 14 MSB	″	
				00 - 7F	Insertion-2 Parameter 14 LSB		
46	04	1E	2	00 - 7F	Insertion-2 Parameter 15 MSB	″	
				00 - 7F	Insertion-2 Parameter 15 LSB		
46	04	20	2	00 - 7F	Insertion-2 Parameter 16 MSB	″	
				00 - 7F	Insertion-2 Parameter 16 LSB		

TOTAL SIZE = 34 22 (HEX)

46	05	00	1	00 - 09	Controller Set1 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
46	05	01	2	00	Controller Set1 Destination MSB	0 - 29	
				00 - 1D	Controller Set1 Destination LSB		
46	05	03	1	00 - 7F	Controller Set1 Depth	-64 - +63	
46	05	04	1		reserved		
46	05	05	1	00 - 09	Controller Set2 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
46	05	06	2	00	Controller Set2 Destination MSB	0 - 29	
				00 - 1D	Controller Set2 Destination LSB		
46	05	08	1	00 - 7F	Controller Set2 Depth	-64 - +63	
46	05	09	1		reserved		
46	05	0A	1	00 - 09	Controller Set3 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
46	05	0B	2	00	Controller Set3 Destination MSB	0 - 29	
				00 - 1D	Controller Set3 Destination LSB		
46	05	0D	1	00 - 7F	Controller Set3 Depth	-64 - +63	
46	05	0E	1		reserved		
46	05	0F	1	00 - 09	Controller Set4 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
46	05	10	2	00	Controller Set4 Destination MSB	0 - 29	
				00 - 1D	Controller Set4 Destination LSB		
46	05	12	1	00 - 7F	Controller Set4 Depth	-64 - +63	
46	05	13	1		reserved		
46	05	14	1	00 - 09	Controller Set5 Source	PB, MW, ---, AT,FC2, FS,FC1, BC, KN1, KN2	
46	05	15	2	00	Controller Set5 Destination MSB	0 - 29	
				00 - 1D	Controller Set5 Destination LSB		
46	05	17	1	00 - 7F	Controller Set5 Depth	-64 - +63	
46	05	18	1		reserved		
46	05	19	1	00 - 09	Controller Set6 Source	PB, MW, ---, AT,FC2, FS,FC1, BC, KN1, KN2	
46	05	1A	2	00	Controller Set6 Destination MSB	0 - 29	
				00 - 1D	Controller Set6 Destination LSB		
46	05	1C	1	00 - 7F	Controller Set6 Depth	-64 - +63	
46	05	1D	1		reserved		

TOTAL SIZE = 30 1E (HEX)

MIDI PARAMETER CHANGE TABLE (DRUM VOICE KEY)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
47	ee	00	1	00 - 01	Element Assign	off, on	
47	ee	01	1	00 - 02	Wave Type	0:PresetWave 1:Voice 2:UserWave	
47	ee	02	1	00	reserved		
47	ee	03	1	00 - 01	Receive Note Off	off, on	
47	ee	04	1	00 - 01	Assign Mode	single, multi	*1
47	ee	05	1	00 - 7F	Alternate Group	0:off, 1 - 127	
47	ee	06	2	00 - 7F	Wave Number MSB	1st bit6-0 → bit13-7 (User: 0-256)	
				00 - 7F	Wave Number LSB	2nd bit6-0 → bit6-0	
47	ee	08	3	00 - 7F	Voice Bank Number MSB	0 - 127	*1
				00 - 7F	Voice Bank Number LSB	0 - 127	*1
				00 - 7F	Voice Number	0 - 127	*1
47	ee	0B	1	01 - 7F	Pan	L63 - C - R63	*1
47	ee	0C	1	00 - 7F	Random Pan Depth	0 - 127	
47	ee	0D	1	00 - 7F	Alternate Pan Depth	L64 - 0 - R63	
47	ee	0E	1	00 - 7F	Reverb Send Level	0 - 127	*1
47	ee	0F	1	00 - 7F	Chorus Send Level	0 - 127	*1
47	ee	10	1		reserved		
47	ee	11	1	00 - 02	Insertion Effect Switch	thru, ins1, ins2	*1
47	ee	12	1	00 - 47	Output Select	0: L&R 8: asnL&R, 9: asn1&2, 10: asn3&4, 11: asn5&6 64 - 71: asnL, asnR - asn5, asn6	*1

TOTAL SIZE = 19 13 (HEX)

47	ee	20	1	00 - 7F	Element Level	0 - 127	*1
47	ee	21	1	00 - 7F	Level Velocity Sensitivity	-64 - +63	
47	ee	22	1	00	reserved		
47	ee	23	1	00 - 7F	AEG Attack Time	0 - 127	
47	ee	24	1	00 - 7F	AEG Decay1 Time	0 - 127	
47	ee	25	1	00 - 7F	AEG Decay2 Time	0 - 126,hold	
47	ee	26	1	00	reserved		
47	ee	27	1	00	reserved		
47	ee	28	1	00	reserved		
47	ee	29	1	00 - 7F	AEG Decay1 Level	0 - 127	
47	ee	2A	1	00	reserved		
47	ee	2B	1	00	reserved		

TOTAL SIZE = 12 0C (HEX)

48	ee	00	1	10 - 70	Coarse Tune	-48 - +48	*1
48	ee	01	1	00 - 7F	Fine Tune	-64 - +63	*1
48	ee	02	1	00 - 7F	Pitch Velocity Sensitivity	-64 - +63	

TOTAL SIZE = 3 03 (HEX)

49	ee	00	1	00	reserved		
49	ee	01	2	00 - 01	LPF Cutoff Frequency MSB	0 - 255	
				00 - 7F	LPF Cutoff Frequency LSB		
49	ee	03	1	00 - 7F	LPF Cutoff Velocity Sensitivity	-64 - +63	
49	ee	04	1	00 - 1F	LPF Resonance	0 - 31	
49	ee	05	1	40	reserved		
49	ee	06	2	00 - 01	HPF Cutoff Frequency MSB	0 - 255	
				00 - 7F	HPF Cutoff Frequency LSB		

TOTAL SIZE = 8 08 (HEX)

4A	ee	00	1	00 - 05	EQ Type	EQ L/H, P.EQ, Boost6, Boost12, Boost18, thru	
4A	ee	01	1	00 - 1F	EQ Resonance	0 - 31	
4A	ee	02	2	00 - 01	EQ 1 Frequency MSB	EQ L/H: 46-182, P.EQ: 83-251	
				00 - 7F	EQ 1 Frequency LSB		
4A	ee	04	1	20 - 60	EQ 1 GAIN	-32 - +32	
4A	ee	05	2	00 - 01	EQ 2 Frequency MSB	EQ L/H:131-241	
				00 - 7F	EQ 2 Frequency LSB		
4A	ee	07	1	20 - 60	EQ 2 GAIN	-32 - +32	

TOTAL SIZE = 8 08 (HEX)

ee = Element Number (00..48: C0 - C6)

*1 When the Wave/Voice type is set to "voice", only these parameters are available.

MIDI PARAMETER CHANGE TABLE (PLUG-IN VOICE)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
4C	70	00	1	20 - 7E	Voice Name1	32..126(ASCII)	
4C	70	01	1	20 - 7E	Voice Name2	32..126(ASCII)	
4C	70	02	1	20 - 7E	Voice Name3	32..126(ASCII)	
4C	70	03	1	20 - 7E	Voice Name4	32..126(ASCII)	
4C	70	04	1	20 - 7E	Voice Name5	32..126(ASCII)	
4C	70	05	1	20 - 7E	Voice Name6	32..126(ASCII)	
4C	70	06	1	20 - 7E	Voice Name7	32..126(ASCII)	
4C	70	07	1	20 - 7E	Voice Name8	32..126(ASCII)	
4C	70	08	1	20 - 7E	Voice Name9	32..126(ASCII)	
4C	70	09	1	20 - 7E	Voice Name10	32..126(ASCII)	
4C	70	0A	1		reserved		
4C	70	0B	1		reserved		
4C	70	0C	1	00 - 10	Voice Category(Main)	0..16(--..Co)	Ap, Kb, Or, Gt, Ba, St, Br, Rp, Ld, Pd, Sc, Cp, Dr, Se, Me, Co
4C	70	0D	1	00 - 03	Voice Category(Sub)	0..3(--..Sub1..Sub3)	depens on Main Category
4C	70	0E	1		reserved		
4C	70	0F	1		reserved		
4C	70	10	1		reserved		
4C	70	11	1		reserved		
4C	70	12	1		reserved		
4C	70	13	1	00 - 02	QED ARP Type Bank	pre1, pre2, user	
4C	70	14	1	00 - 7F	QED ARP Type	UpOct1 - GateCut3	
4C	70	15	1	00 - 01	ARP Switch	off, on	
4C	70	16	1	00 - 02	ARP Hold	sync-off, off, on	
4C	70	17	1	00 - 06	ARP Unit Multiply	50%, 66%, 75%, 100%, 133%, 150%, 200%	
4C	70	18	1	00 - 7F	ARP Note Limit Low	C-2..G8	
4C	70	19	1	00 - 7F	ARP Note Limit High	C-2..G8	
4C	70	1A	1	01 - 7F	ARP Velocity Limit Low	1 - 127	
4C	70	1B	1	01 - 7F	ARP Velocity Limit High	1 - 127	
4C	70	1C	1	00 - 02	ARP Key Mode	sort, thru, direct	
4C	70	1D	1	00 - 01	ARP Vel Mode	original, thru	
4C	70	1F	2	0000 - 00C8	ARP Velocity Rate MSB	0...200%	
					ARP Velocity Rate LSB		
4C	70	20	2	0000 - 00C8	ARP Gate Time Rate MSB	0...200%	
					ARP Gate TIme Rate LSB		
4C	70	22	2	0001 - 012C	QED ARP Tempo MSB	1..300	
					QED ARP Tempo LSB		
4C	70	24	1	00 - 03	Knob Function Select	0=Pan&Send, 1=Tone, 2=Assign, 3=MeqOffset	
4C	70	25	1	01 - 7F	Pan	L63..C..R63	
4C	70	26	1	00 - 7F	Chorus Control	-64..+63	
4C	70	27	1	00 - 7F	QED Decay Time	-64..+63	
4C	70	28	1	40	reserved		
4C	70	29	1	40	reserved		
4C	70	2A	1	40	reserved		
4C	70	2B	1	40	reserved		
4C	70	2C	1	40	reserved		
4C	70	2D	1	40	reserved		
4C	70	2E	1	00 - 7F	KnobA	-64..+63	
4C	70	2F	1	00 - 7F	KnobB	-64..+63	
4C	70	30	1	40	reserved		
4C	70	31	1	00 - 7F	EQ Low Gain	-64..+63	
4C	70	32	1	00 - 7F	EQ Low Mid Gain	-64..+63	
4C	70	33	1	00 - 7F	EQ High Mid Gain	-64..+63	
4C	70	34	1	00 - 7F	EQ High Gain	-64..+63	
4C	70	35	1	00 - 7F	Scene 1 Assign1	-64..+63	
4C	70	36	1	00 - 7F	Scene 1 Assign2	-64..+63	
4C	70	37	1	00 - 7F	Scene 1 Cutoff Frequency	-64..+63	
4C	70	38	1	00 - 7F	Scene 1 Resonance	-64..+63	
4C	70	39	1	00 - 7F	Scene 1 Attack Time	-64..+63	
4C	70	3A	1	00 - 7F	Scene 1 Release Time	-64..+63	
4C	70	3B	1	40	reserved		
4C	70	3C	1	40	reserved		
4C	70	3D	1	40	reserved		
4C	70	3E	1	40	reserved		
4C	70	3F	1	40	reserved		
4C	70	40	1	40	reserved		
4C	70	41	1	00	reserved		

TOTAL SIZE = 66 42 (HEX)

4C	00	00	1	00 - 7F	Volume	0 - 127	
4C	00	01	1		reserved		
4C	00	02	1	00 - 01	Same Note Number Key On Assign	single, multi	
4C	00	03	1	00 - 01	QED Mono/Poly Mode	mono, poly	
4C	00	04	1		reserved		
4C	00	05	1	28 - 58	QED Pitch Bend Range	-24 - +24[semitones]	
4C	00	06	1		reserved		
4C	00	07	1		reserved		
4C	00	08	1	00 - 01	QED Portamento Switch	off, on	
4C	00	09	1	00 - 7F	QED Portamento Time	0 - 127	
4C	00	0A	1	01-02	Insertion Connect Type	S->L, L->S	
4C	00	0B	1	00 - 7F	Reverb Send	-∞dB ...0dB	
4C	00	0C	1	00 - 7F	Chorus Send	-∞dB ...0dB	

TOTAL SIZE = 13 0D (HEX)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
4C	01	00	2	00 - 7F	Reverb Type MSB	Refer to Effect Parameter List	
				00 - 7F	Reverb Type LSB		
4C	01	02	2	00 - 7F	Reverb Parameter 1 MSB	″	
				00 - 7F	Reverb Parameter 1 LSB		
4C	01	04	2	00 - 7F	Reverb Parameter 2 MSB	″	
				00 - 7F	Reverb Parameter 2 LSB		
4C	01	06	2	00 - 7F	Reverb Parameter 3 MSB	″	
				00 - 7F	Reverb Parameter 3 LSB		
4C	01	08	2	00 - 7F	Reverb Parameter 4 MSB	″	
				00 - 7F	Reverb Parameter 4 LSB		
4C	01	0A	2	00 - 7F	Reverb Parameter 5 MSB	″	
				00 - 7F	Reverb Parameter 5 LSB		
4C	01	0C	2	00 - 7F	Reverb Parameter 6 MSB	″	
				00 - 7F	Reverb Parameter 6 LSB		
4C	01	0E	2	00 - 7F	Reverb Parameter 7 MSB	″	
				00 - 7F	Reverb Parameter 7 LSB		
4C	01	10	2	00 - 7F	Reverb Parameter 8 MSB	″	
				00 - 7F	Reverb Parameter 8 LSB		
4C	01	12	2	00 - 7F	Reverb Parameter 9 MSB	″	
				00 - 7F	Reverb Parameter 9 LSB		
4C	01	14	2	00 - 7F	Reverb Parameter 10 MSB	″	
				00 - 7F	Reverb Parameter 10 LSB		
4C	01	16	1	00 - 7F	Reverb Return	-∞dB…0dB…+6dB(…c96…127)	
4C	01	17	1	01 - 7F	Reverb Pan	L63…C…R63	

TOTAL SIZE = 24 18 (HEX)

4C	02	00	2	00 - 7F	Chorus Type MSB	Refer to Effect Parameter List	
				00 - 7F	Chorus Type LSB		
4C	02	02	2	00 - 7F	Chorus Parameter 1 MSB	″	
				00 - 7F	Chorus Parameter 1 LSB		
4C	02	04	2	00 - 7F	Chorus Parameter 2 MSB	″	
				00 - 7F	Chorus Parameter 2 LSB		
4C	02	06	2	00 - 7F	Chorus Parameter 3 MSB	″	
				00 - 7F	Chorus Parameter 3 LSB		
4C	02	08	2	00 - 7F	Chorus Parameter 4 MSB	″	
				00 - 7F	Chorus Parameter 4 LSB		
4C	02	0A	2	00 - 7F	Chorus Parameter 5 MSB	″	
				00 - 7F	Chorus Parameter 5 LSB		
4C	02	0C	2	00 - 7F	Chorus Parameter 6 MSB	″	
				00 - 7F	Chorus Parameter 6 LSB		
4C	02	0E	2	00 - 7F	Chorus Parameter 7 MSB	″	
				00 - 7F	Chorus Parameter 7 LSB		
4C	02	10	2	00 - 7F	Chorus Parameter 8 MSB	″	
				00 - 7F	Chorus Parameter 8 LSB		
4C	02	12	2	00 - 7F	Chorus Parameter 9 MSB	″	
				00 - 7F	Chorus Parameter 9 LSB		
4C	02	14	2	00 - 7F	Chorus Parameter 10 MSB	″	
				00 - 7F	Chorus Parameter 10 LSB		
4C	02	16	1	00 - 7F	Chorus Return	-∞dB…0dB…+6dB(…c96…127)	
4C	02	17	1	01 - 7F	Chorus Pan	L63…C…R63	
4C	02	18	1	00 - 7F	Send Chorus To Reverb	-∞dB…0dB(0…127)	

TOTAL SIZE = 25 19 (HEX)

4C	03	00	2	00 - 7F	Insertion-1 Type MSB	Refer to Effect Parameter List	
				00 - 7F	Insertion-1 Type LSB		
4C	03	02	2	00 - 7F	Insertion-1 Parameter1 MSB	″	
				00 - 7F	Insertion-1 Parameter1 LSB		
4C	03	04	2	00 - 7F	Insertion-1 Parameter2 MSB	″	
				00 - 7F	Insertion-1 Parameter2 LSB		
4C	03	06	2	00 - 7F	Insertion-1 Parameter3 MSB	″	
				00 - 7F	Insertion-1 Parameter3 LSB		
4C	03	08	2	00 - 7F	Insertion-1 Parameter4 MSB	″	
				00 - 7F	Insertion-1 Parameter4 LSB		
4C	03	0A	2	00 - 7F	Insertion-1 Parameter5 MSB	″	
				00 - 7F	Insertion-1 Parameter5 LSB		
4C	03	0C	2	00 - 7F	Insertion-1 Parameter6 MSB	″	
				00 - 7F	Insertion-1 Parameter6 LSB		
4C	03	0E	2	00 - 7F	Insertion-1 Parameter7 MSB	″	
				00 - 7F	Insertion-1 Parameter7 LSB		
4C	03	10	2	00 - 7F	Insertion-1 Parameter8 MSB	″	
				00 - 7F	Insertion-1 Parameter8 LSB		
4C	03	12	2	00 - 7F	Insertion-1 Parameter9 MSB	″	
				00 - 7F	Insertion-1 Parameter9 LSB		
4C	03	14	2	00 - 7F	Insertion-1 Parameter10 MSB	″	
				00 - 7F	Insertion-1 Parameter10 LSB		

TOTAL SIZE = 22 16 (HEX)

4C	04	00	2	00 - 7F	Insertion-2 Type MSB	Refer to Effect Parameter List	
				00 - 7F	Insertion-2 Type LSB		
4C	04	02	2	00 - 7F	Insertion-2 Parameter 1 MSB	″	
				00 - 7F	Insertion-2 Parameter 1 LSB		
4C	04	04	2	00 - 7F	Insertion-2 Parameter 2 MSB	″	
				00 - 7F	Insertion-2 Parameter 2 LSB		
4C	04	06	2	00 - 7F	Insertion-2 Parameter 3 MSB	″	
				00 - 7F	Insertion-2 Parameter 3 LSB		
4C	04	08	2	00 - 7F	Insertion-2 Parameter 4 MSB	″	
				00 - 7F	Insertion-2 Parameter 4 LSB		

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
4C	04	0A	2	00 - 7F	Insertion-2 Parameter 5 MSB	Refer to Effect Parameter List	
				00 - 7F	Insertion-2 Parameter 5 LSB		
4C	04	0C	2	00 - 7F	Insertion-2 Parameter 6 MSB	″	
				00 - 7F	Insertion-2 Parameter 6 LSB		
4C	04	0E	2	00 - 7F	Insertion-2 Parameter 7 MSB	″	
				00 - 7F	Insertion-2 Parameter 7 LSB		
4C	04	10	2	00 - 7F	Insertion-2 Parameter 8 MSB	″	
				00 - 7F	Insertion-2 Parameter 8 LSB		
4C	04	12	2	00 - 7F	Insertion-2 Parameter 9 MSB	″	
				00 - 7F	Insertion-2 Parameter 9 LSB		
4C	04	14	2	00 - 7F	Insertion-2 Parameter 10 MSB	″	
				00 - 7F	Insertion-2 Parameter 10 LSB		
4C	04	16	2	00 - 7F	Insertion-2 Parameter 11 MSB	″t	
				00 - 7F	Insertion-2 Parameter 11 LSB		
4C	04	18	2	00 - 7F	Insertion-2 Parameter 12 MSB	″	
				00 - 7F	Insertion-2 Parameter 12 LSB		
4C	04	1A	2	00 - 7F	Insertion-2 Parameter 13 MSB	″	
				00 - 7F	Insertion-2 Parameter 13 LSB		
4C	04	1C	2	00 - 7F	Insertion-2 Parameter 14 MSB	″	
				00 - 7F	Insertion-2 Parameter 14 LSB		
4C	04	1E	2	00 - 7F	Insertion-2 Parameter 15 MSB	″	
				00 - 7F	Insertion-2 Parameter 15 LSB		
4C	04	20	2	00 - 7F	Insertion-2 Parameter 16 MSB	″	
				00 - 7F	Insertion-2 Parameter 16 LSB		

TOTAL SIZE = 34 22 (HEX)

4C	05	00	1	00 - 09	Controller Set1 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
4C	05	01	2	00	Controller Set1 Destination MSB	0 - 29	
				00 - 1D	Controller Set1 Destination LSB		
4C	05	03	1	00 - 7F	Controller Set1 Depth	-64 - +63	
4C	05	04	1		reserved		
4C	05	05	1	00 - 09	Controller Set2 Source	PB, MW, ---, AT, FC2, FS, FC1, BC, KN1, KN2	
4C	05	06	2	00	Controller Set2 Destination	0 - 29	
				00 - 1D	Controller Set2 Destination MSB		
4C	05	08	1	00 - 7F	Controller Set2 Depth	-64 - +63	
4C	05	09	1		reserved		

TOTAL SIZE = 10 0A (HEX)

4C	10	00	1	00 - 7F	Voice Bank MSB	0..127	
4C	10	01	1	00 - 7F	Voice Bank LSB	0..127	
4C	10	02	1	00 - 7F	Voice Number	0..127	
4C	10	03	1	28 - 58	Note Shift	-24...0...+24[semitones]	
4C	10	04	1	00 - 7F	Velocity Sense Depth	0..127	
4C	10	05	1	00 - 7F	Velocity Sense Offset	0..127	
4C	10	06	1	00 - 7F	(Vibrato Rate) LFO Speed	-64..+63	
4C	10	07	1	00 - 7F	(Vibrato Depth) LFO Pitch Depth	-64..+63	
4C	10	08	1	00 - 7F	(Vibrato Delay) LFO Delay	-64..+63	
4C	10	09	1	00 - 7F	MW Filter Control	-64..+63	
4C	10	0A	1	40	reserved	0	
4C	10	0B	1	00 - 7F	MW LFO Pitch Modulation Depth	0..127	
4C	10	0C	1	00 - 7F	MW LFO Filter Modulation Depth	0..127	
4C	10	0D	1	00 - 7F	MW LFO Amplitude Modulation Depth	0..127	
4C	10	0E	1	28 - 58	CAT Pitch Control	-24..+24[semitones]	
4C	10	0F	1	00 - 7F	CAT Filter Control	-64..+63	
4C	10	10	1	40	reserved	-64..+63	
4C	10	11	1	00 - 7F	CAT LFO Pitch Modulation Depth	0..127	
4C	10	12	1	00 - 7F	CAT LFO Filter Modulation Depth	0..127	
4C	10	13	1	00 - 7F	CAT LFO Amplitude Modulation Depth	0..127	
4C	10	14	1	00 - 5F	AC1 Controller Number	0..95	
4C	10	15	1	00 - 7F	AC1 Filter Control	-64..+63	
4C	10	16	1	40	reserved	-64..+63	
4C	10	17	1	00 - 7F	AC1 LFO Pitch Modulation Depth	0..127	
4C	10	18	1	00 - 7F	AC1 LFO Filter Modulation Depth	0..127	
4C	10	19	1	00 - 7F	AC1 LFO Amplitude Modulation Depth	0..127	
4C	10	1A	1	00 - 7F	Pitch EG Initial Level	-64..+63	
4C	10	1B	1	00 - 7F	Pitch EG Attack Time	-64..+63	
4C	10	1C	1	00 - 7F	Pitch EG Release Level	-64..+63	
4C	10	1D	1	00 - 7F	Pitch EG Release Time	-64..+63	
4C	10	1E	1	00 - 7F	EQ Low Gain	-64..+63(-12 - +12[dB])	
4C	10	1F	1	00 - 7F	EQ High Gain	-64..+63(-12 - +12[dB])	
4C	10	20	1	04 - 28	EQ Low Frequency	32...2.0k[Hz]	
4C	10	21	1	1C - 3A	EQ High Frequency	500...16.0k[Hz]	
4C	10	22	1	00 - 7F	HPF Cutoff Frequency	-64...0...+63	

TOTAL SIZE = 35 23 (HEX)

4C	20	00	64	00 - 7F	Plug-in Board Native Parameter	depends on Plug-in Board	
4C	20	40	3	00 - 7F	Plug-in Board Type MSB		
				00 - 7F	Plug-in Board Type LSB		
				00 - 7F	Plug-in Board Version Number		
		43	1	00 - 7F	reserved		

TOTAL SIZE = 68 44 (HEX)

MIDI PARAMETER CHANGE TABLE (MIX COMMON for Pattern, Song)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
36	00	00	1	20	reserved		
36	00	01	1	20	reserved		
36	00	02	1	20	reserved		
36	00	03	1	20	reserved		
36	00	04	1	20	reserved		
36	00	05	1	20	reserved		
36	00	06	1	20	reserved		
36	00	07	1	20	reserved		
36	00	08	1	20	reserved		
36	00	09	1	20	reserved		
36	00	0A	1		reserved		
36	00	0B	1		reserved		
36	00	0C	1		reserved		
36	00	0D	1		reserved		
36	00	0E	1		reserved		
36	00	0F	1		reserved		
36	00	10	1	10	reserved		
36	00	11	1	00 - 01	ARP MIDI Out Switch	off, on	
36	00	12	1	00 - 10	ARP MIDI Out Channel	1..16, kbd-ch	
36	00	13	1	00 - 02	ARP Type Bank	pre1, pre2, user	
36	00	14	1	00 - 7F	ARP Type	UpOct1 - GateCut3	
36	00	15	1	00 - 01	ARP Switch	off, on	
36	00	16	1	00 - 02	ARP Hold	sync-off, off, on	
36	00	17	1	00 - 06	ARP Unit Multiply	50%, 66%, 75%, 100%, 133%, 150%, 200%	
36	00	18	1	00 - 7F	ARP Note Limit Low	C-2..G8	
36	00	19	1	00 - 7F	ARP Note Limit High	C-2..G8	
36	00	1A	1	01 - 7F	ARP Velocity Limit Low	1 - 127	
36	00	1B	1	01 - 7F	ARP Velocity Limit High	1 - 127	
36	00	1C	1	00 - 02	ARP Key Mode	sort, thru, direct	
36	00	1D	1	00 - 01	ARP Vel Mode	original, thru	
36	00	1E	2	0000 - 00C8	ARP Velocity Rate MSB	0...200%	
					ARP Velocity Rate LSB		
36	00	20	2	0000 - 00C8	ARP Gate Time Rate MSB	0...200%	
					ARP Gate TIme Rate LSB		
36	00	22	2		reserved		
					reserved		
36	00	24	1	00 - 03	Knob Function Select	0=Pan&Send, 1=Tone, 2=Assign, 3=MeqOffset	
36	00	25	1	40	reserved		
36	00	26	1	00 - 7F	Chorus Control	-64..+63	
36	00	27	1	40	reserved		
36	00	28	1	40	reserved		
36	00	29	1	40	reserved		
36	00	2A	1	40	reserved		
36	00	2B	1	40	reserved		
36	00	2C	1	40	reserved		
36	00	2D	1	40	reserved		
36	00	2E	1	00 - 7F	KnobA	-64..+63	
36	00	2F	1	00 - 7F	KnobB	-64..+63	
36	00	30	1	40	reserved		
36	00	31	1	00 - 7F	EQ Low Gain	-64..+63	
36	00	32	1	00 - 7F	EQ Low Mid Gain	-64..+63	
36	00	33	1	00 - 7F	EQ High Mid Gain	-64..+63	
36	00	34	1	00 - 7F	EQ High Gain	-64..+63	
36	00	35	1	00 - 7F	Scene 1 Assign1	-64..+63	
36	00	36	1	00 - 7F	Scene 1 Assign2	-64..+63	
36	00	37	1	40	reserved		
36	00	38	1	40	reserved		
36	00	39	1	40	reserved		
36	00	3A	1	40	reserved		
36	00	3B	1	40	reserved		
36	00	3C	1	40	reserved		
36	00	3D	1	40	reserved		
36	00	3E	1	40	reserved		
36	00	3F	1	40	reserved		
36	00	40	1	40	reserved		
36	00	41	1	00	reserved		
36	00	42	1	7F	reserved		
36	00	43	1	40	reserved		
36	00	44	1	00	reserved		
36	00	45	1	20	reserved		
36	00	46	1	00	reserved		
36	00	47	1	00	reserved		
36	00	48	1	00 - 5F	Assign1 Control Number	off, 1 - 95	
36	00	49	1	00 - 5F	Assign2 Control Number	off, 1 - 95	
36	00	4A	1	00 - 5F	BC Control Number	off, 1 - 95	
36	00	4B	1	00 - 5F	FC2 Control Number	off, 1 - 95	
36	00	4C	1	00 - 5F	FC1 Control Number	off, 1 - 95	
36	00	4D	1	00 - 7F	Voice Insertion Effect Part	0 - 15: Part1…16 96 - 98: PB Part1, 2, 3 127: off	
36	00	4E	1		reserved		
36	00	4F	1	00 - 7F	InsEF Plug-in Part	0 - 15: Part1 …16 64: PartAD 97 - 98: PB Part2,3 127: off	
36	00	50	1	00 - 01	A/D Input Mode	L mono, R mono, L+R mono, stereo	
36	00	51	1	00 - 7F	A/D Part Volume	0 - 127	
36	00	52	1	01 - 7F	A/D Part Pan	L63 - C - R63	
36	00	53	1	00 - 7F	A/D Part Reverb Send	0 - 127	
36	00	54	1	00 - 7F	A/D Part Chorus Send	0 - 127	
36	00	55	1	00 - 7F	A/D Part Variation Send	0 - 127	
36	00	56	1	00 - 7F	A/D Part Dry Level	0 - 127	
36	00	57	1	00 - 71	A/D Part Output Select	0: L&R 8: asnL&R, 9: asn1&2, 10: asn3&4, 11: asn5&6 64 - 71: asnL,asnR - asn5,asn6	

TOTAL SIZE = 88 58 (HEX)

36	01	00	2	00 - 7F	Reverb Type MSB	Refer to Effect Parameter List	
				00 - 7F	Reverb Type LSB		
36	01	02	2	00 - 7F	Reverb Parameter 1 MSB	〃	
				00 - 7F	Reverb Parameter 1 LSB		
36	01	04	2	00 - 7F	Reverb Parameter 2 MSB	〃	
				00 - 7F	Reverb Parameter 2 LSB		
36	01	06	2	00 - 7F	Reverb Parameter 3 MSB	〃	
				00 - 7F	Reverb Parameter 3 LSB		
36	01	08	2	00 - 7F	Reverb Parameter 4 MSB	〃	
				00 - 7F	Reverb Parameter 4 LSB		
36	01	0A	2	00 - 7F	Reverb Parameter 5 MSB	〃	
				00 - 7F	Reverb Parameter 5 LSB		
36	01	0C	2	00 - 7F	Reverb Parameter 6 MSB	〃	
				00 - 7F	Reverb Parameter 6 LSB		
36	01	0E	2	00 - 7F	Reverb Parameter 7 MSB	〃	
				00 - 7F	Reverb Parameter 7 LSB		
36	01	10	2	00 - 7F	Reverb Parameter 8 MSB	〃	
				00 - 7F	Reverb Parameter 8 LSB		
36	01	12	2	00 - 7F	Reverb Parameter 9 MSB	〃	
				00 - 7F	Reverb Parameter 9 LSB		
36	01	14	2	00 - 7F	Reverb Parameter 10 MSB	〃	
				00 - 7F	Reverb Parameter 10 LSB		
36	01	16	1	00 - 7F	Reverb Return	-∞dB…0dB…+6dB(…c96…127)	
36	01	17	1	01 - 7F	Reverb Pan	L63…C…R63	

TOTAL SIZE = 24 18 (HEX)

36	02	00	2	00 - 7F	Chorus Type MSB	Refer to Effect Parameter List	
				00 - 7F	Chorus Type LSB		
36	02	02	2	00 - 7F	Chorus Parameter 1 MSB	〃	
				00 - 7F	Chorus Parameter 1 LSB		
36	02	04	2	00 - 7F	Chorus Parameter 2 MSB	〃	
				00 - 7F	Chorus Parameter 2 LSB		
36	02	06	2	00 - 7F	Chorus Parameter 3 MSB	〃	
				00 - 7F	Chorus Parameter 3 LSB		
36	02	08	2	00 - 7F	Chorus Parameter 4 MSB	〃	
				00 - 7F	Chorus Parameter 4 LSB		
36	02	0A	2	00 - 7F	Chorus Parameter 5 MSB	〃	
				00 - 7F	Chorus Parameter 5 LSB		
36	02	0C	2	00 - 7F	Chorus Parameter 6 MSB	〃	
				00 - 7F	Chorus Parameter 6 LSB		
36	02	0E	2	00 - 7F	Chorus Parameter 7 MSB	〃	
				00 - 7F	Chorus Parameter 7 LSB		
36	02	10	2	00 - 7F	Chorus Parameter 8 MSB	〃	
				00 - 7F	Chorus Parameter 8 LSB		
36	02	12	2	00 - 7F	Chorus Parameter 9 MSB	〃	
				00 - 7F	Chorus Parameter 9 LSB		
36	02	14	2	00 - 7F	Chorus Parameter 10 MSB	〃	
				00 - 7F	Chorus Parameter 10 LSB		
36	02	16	1	00 - 7F	Chorus Return	-∞dB…0dB…+6dB(…c96…127)	
36	02	17	1	01 - 7F	Chorus Pan	L63…C…R63	
36	02	18	1	00 - 7F	Send Chorus To Reverb	-∞dB…0dB(0…127)	

TOTAL SIZE = 25 19 (HEX)

36	03	00	2	00 - 7F	Variation Type MSB (for Performance)	Refer to Effect Parameter List	
				00 - 7F	Variation Type LSB		
36	03	02	2	00 - 7F	Variation Parameter1 MSB	〃	
				00 - 7F	Variation Parameter1 LSB		
36	03	04	2	00 - 7F	Variation Parameter2 MSB	〃	
				00 - 7F	Variation Parameter2 LSB		
36	03	06	2	00 - 7F	Variation Parameter3 MSB	〃	
				00 - 7F	Variation Parameter3 LSB		
36	03	08	2	00 - 7F	Variation Parameter4 MSB	〃	
				00 - 7F	Variation Parameter4 LSB		
36	03	0A	2	00 - 7F	Variation Parameter5 MSB	〃	
				00 - 7F	Variation Parameter5 LSB		
36	03	0C	2	00 - 7F	Variation Parameter6 MSB	〃	
				00 - 7F	Variation Parameter6 LSB		
36	03	0E	2	00 - 7F	Variation Parameter7 MSB	〃	
				00 - 7F	Variation Parameter7 LSB		
36	03	10	2	00 - 7F	Variation Parameter8 MSB	〃	
				00 - 7F	Variation Parameter8 LSB		
36	03	12	2	00 - 7F	Variation Parameter9 MSB	〃	
				00 - 7F	Variation Parameter9 LSB		
36	03	14	2	00 - 7F	Variation Parameter10 MSB	〃	
				00 - 7F	Variation Parameter10 LSB		
36	03	16	2	00 - 7F	Variation Parameter11 MSB	〃	
				00 - 7F	Variation Parameter11 LSB		
36	03	18	2	00 - 7F	Variation Parameter12 MSB	〃	
				00 - 7F	Variation Parameter12 LSB		
36	03	1A	2	00 - 7F	Variation Parameter13 MSB	〃	
				00 - 7F	Variation Parameter13 LSB		

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
36	03	1C	2	00 - 7F	Variation Parameter14 MSB	Refer to Effect Parameter List	
				00 - 7F	Variation Parameter14 LSB		
36	03	1E	2	00 - 7F	Variation Parameter15 MSB	〃	
				00 - 7F	Variation Parameter15 LSB		
36	03	20	2	00 - 7F	Variation Parameter16 MSB	〃	
				00 - 7F	Variation Parameter16 LSB		
36	03	22	1	00 - 7F	Variation Return	-∞dB…0dB…+6dB(…c96…127)	
36	03	23	1	01 - 7F	Variation Pan	L63…C…R63	
36	03	24	1	00 - 7F	Send Variation To Reverb	-∞dB…0dB(0…127)	
36	03	25	1	00 - 7F	Send Variation To Chorus	-∞dB…0dB(0…127)	

TOTAL SIZE = 38 26 (HEX)

36	10	00	1	34 - 4C	EQ Gain1	-12 - +12[dB]	
36	10	01	1	04 - 28	EQ Frequency1	32 - 2000[Hz]	
36	10	02	1	01 - 78	EQ Q1	0.1 - 12.0	
36	10	03	1	00 - 01	EQ Shape1	shelv, peak	
36	10	04	1	34 - 4C	EQ Gain2	-12 - +12[dB]	
36	10	05	1	0E - 36	EQ Frequency2	100 - 10.0[kHz]	
36	10	06	1	01 - 78	EQ Q2	0.1 - 12.0	
36	10	07	1	01	reserved		
36	10	08	1	34 - 4C	EQ Gain3	-12 - +12[dB]	
36	10	09	1	0E - 36	EQ Frequency3	100 - 10.0[kHz]	
36	10	0A	1	01 - 78	EQ Q3	0.1- 12.0	
			1		Not Used		
36	10	0C	1	34 - 4C	EQ Gain4	-12 - +12[dB]	
36	10	0D	1	0E - 36	EQ Frequency4	100 - 10.0[kHz]	
36	10	0E	1	01 - 78	EQ Q4	0.1 - 12.0	
			1		Not Used		
36	10	10	1	34 - 4C	EQ Gain5	-12 - +12[dB]	
36	10	11	1	1C - 3A	EQ Frequency5	0.5 - 16.0[kHz]	
36	10	12	1	01 - 78	EQ Q5	0.1 - 12.0	
36	10	13	1	00 - 01	EQ Shape5	shelv, peak	

TOTAL SIZE = 20 14 (HEX)

36	20	00	16	00 - 7F	Plug-in Board Native System Parameter	(for InsEF Plug-in)	
36	20	10	48	00 - 7F	Plug-in Board Native Parameter	(for InsEF Plug-in)	
36	20	40	3	00 - 7F	Plug-in Board Type MSB	(for InsEF Plug-in)	
				00 - 7F	Plug-in Board Type LSB		
				00 - 7F	Plug-in Board Version Number		
		43	1	00 - 7F	reserved		

TOTAL SIZE = 68 44 (HEX)

MIDI PARAMETER CHANGE TABLE (MIX PART for Pattern, Song)

Address			Size	Data Range (HEX)	Prameter Name	Description	Notes
37	pp	00	1	00 - 7F	Bank Select MSB	0 - 127	
37	pp	01	1	00 - 7F	Bank Select LSB	0 - 127	
37	pp	02	1	00 - 7F	Program Number	1 - 128	
37	pp	03	1	00 - 0F, 7F	Receive Channel	1..16, off(7F)	
37	pp	04	1	00 - 01	Part Mode	mono, poly	
37	pp	05	1	01 - 7F	Velocity Limit Low	1 - 127	
37	pp	06	1	01 - 7F	Velocity Limit High	1 - 127	
37	pp	07	1	00 - 7F	Note Limit Low	C-2 - G8	
37	pp	08	1	00 - 7F	Note Limit High	C-2 - G8	
37	pp	09	1	10 - 58	Pitch Bend Range Upper	-48 - +24 (PB Part: -24 - +24)	
37	pp	0A	1	10 - 58	Pitch Bend Range Lower	-48 - +24	
37	pp	0B	1	00 - 7F	Velocity Sense Depth	0 - 127	
37	pp	0C	1	00 - 7F	Velocity Send Offset	0 - 127	
37	pp	0D	1	00 - 7F	Volume	0 - 127	
37	pp	0E	1	01 - 7F	Pan	L63 - C - R63	
37	pp	0F	1		reserved		
37	pp	10	2	00 - 0F	Detune MSB	-12.8 - +12.7[Hz]	
				00 - 0F	Detune LSB	1st bit3-0 → bit7-4	
						2nd bit3-0 → bit3-0	
37	pp	12	1	00 - 7F	Reverb Send	0 - 127	
37	pp	13	1	00 - 7F	Chorus Send	0 - 127	
37	pp	14	1	00 - 7F	Variation Send	0 - 127	
37	pp	15	1	00 - 7F	Dry Level	0 - 127	
37	pp	16	1	28 - 58	Note Shift	-24 - +24[semitones]	
37	pp	17	1	00 - 7F	Filter Cutoff Frequency	-64 - +63	
37	pp	18	1	00 - 7F	Filter Resonance/Width	-64 - +63	
37	pp	19	1		reserved		
37	pp	1A	1	00 - 01	Portamento Switch	off, on	
37	pp	1B	1	00 - 7F	Portamento Time	0 - 127	
37	pp	1C	1	00 - 01	Portamento Mode	fingered, fulltime	
37	pp	1D	1		reserved		
37	pp	1E	1	00 - 7F	Output Select	0: L&R	
						8: asnL&R, 9: asn1&2, 10: asn3&4, 11: asn5&6	L&R on parts 17-32
						64 - 71: asnL,asnR - asn5,asn6	
						127: drum(or L&R)	
37	pp	1F	1	00 - 7F	reserved	bit0: reserved	
					Arpeggio Sw	bit1: Arpeggio Sw off, on	
					Receive Control Change	bit2: off, on Control Change	
					Receive Bank Select	bit3: off, on Bank Select	
					Receive Program Change	bit4: off, on Program Change	
					Receive AT	bit5: off, on AT	
					Receive PB	bit6: off, on PB	
37	pp	20	1	00 - 7F	Receive Volume/Expression	bit0: off, on Volume/Expression	
					Receive Pan	bit1: off, on Pan	
						bit2: reserved	
					Receive Sustain/Sostenute	bit3: off, on Sustain/Sostenute	
						bit4: reserved	
					Receive MW	bit5: off, on MW	
						bit6: reserved	
37	pp	21	1	00 - 7F	Receive FC2	bit0: off, on FC2	
					Receive FS	bit1: off, on FS	
					Receive FC1	bit2: off, on FC1	
					Receive BC	bit3: off, on BC	
					Receive Knob1	bit4: off, on KN1	
					Receive Knob2	bit5: off, on KN2	
						bit6: reserved	
37	pp	22	1	00 - 7F	AEG Decay2 Level (EG Sustain Level)	-64 - +63	
37	pp	23	1	00 - 7F	AEG Attack Time (EG Attack Time)	-64 - +63	
37	pp	24	1	00 - 01	Voice Pan on/off	off, on	
37	pp	25	1	00 - 7F	AEG Decay2 Time (EG Decay Time)	-64 - +63	
37	pp	26	1	00 - 7F	AEG Release Time (EG Release Time)	-64 - +63	
37	pp	27	1	00 - 7F	FEG Decay2 Level (EG Sustain Level)	-64 - +63	
37	pp	28	1	00 - 7F	FEG Attack Time (EG Attack Time)	-64 - +63	
37	pp	29	1		reserved		
37	pp	2A	1	00 - 7F	FEG Decay2 Time (EG Decay Time)	-64 - +63	
37	pp	2B	1	00 - 7F	FEG Release Time (EG Release Time)	-64 - +63	
37	pp	2C	1	00 - 7F	FEG DEPTH	-64 - +63	

TOTAL SIZE = 45 2D (HEX)

pp = part number

00 - 0F	Part 1 - 16 (Normal, Drum, Sample)
60	Part Plug-in 1 (User, Preset, Direct)
61	Part Plug-in 2 (User, Preset, Direct)
62	Part Plug-in 3 (User, Preset, Direct)
10 - 1F	Multi Plug-in Board Part (Not included in the Mixing setup)

Assign A/B DESTINATION

No.	Display	Description
0	" off"	off
1	"EQLow-G"	MEQ Low Gain
2	"EQLow-F"	MEQ Low Frequency
3	"EQLow-Q"	MEQ Low Q
4	"EQLoM-G"	MEQ Low Mid Gain
5	"EQLoM-F"	MEQ Low Mid Frequency
6	"EQLoM-Q"	MEQ Low Mid Q
7	"EQMid-G"	MEQ Mid Gain
8	"EQMid-F"	MEQ Mid Frequency
9	"EQMid-Q"	MEQ Mid Q
10	"EQHiM-G"	MEQ High Mid Gain
11	"EQHiM-F"	MEQ High Mid Frequency
12	"EQHiM-Q"	MEQ High Mid Q
13	"EQHighG"	MEQ High Gain
14	"EQHighF"	MEQ High Frequency
15	"EQHighQ"	MEQ High Q
16	" REV-P1"	Reverb Parameter 1
:	:	:
25	"REV-P10"	Reverb Parameter 10
26	"REV-Rtn"	Reverb Return
27	"REV-Pan"	Reverb Pan
28	" CHO-P1"	Chorus Parameter 1
:	:	:
37	"CHO-P10"	Chorus Parameter 10
38	"CHO-Rtn"	Chorus Return
39	"CHO-Pan"	Chorus Pan
40	"Cho>Rev"	Send Chorus To Reverb
41	"Cho-Ctl"	Chorus Control
42	"ARP-Typ"	Arpeggio Type
43	"ARP-Unt"	Arpeggio Unit Multiply
44	"ARP-Vel"	Arpeggio Velocity Rate
45	"ARP-Gat"	Arpeggio Gate Time Rate
46	" Tempo"	Arpeggio/Sequencer Tempo
47	"AEG-Atk"	AEG Attack Time
48	"AEG-Dcy"	AEG Decay Time
49	"AEG-Sus"	AEG Sustain Level
50	"AEG-Rel"	AEG Release Time
47	"FEG-Atk"	FEG Attack Time
48	"FEG-Dcy"	FEG Decay Time
49	"FEG-Rel"	FEG Release Time
50	"FEG-Dpt"	FEG Depth
51	" Cutoff"	Cutoff Frequency
52	" Reso"	Resonance

VOICE CONTROL SET DESTINATION

No.	Display	Description	Normal	Other
0	" off"	off	○	×
1	" Volume"	Voice Volume	○	○
2	"RevSend"	Reverb Send	○	○
3	"ChoSend"	Chorus Send	○	○
4	"INS1-P1"	Insertion Effect 1 Parameter 1	○	○
:	:	:	:	:
13	"INS1P10"	Insertion Effect 1 Parameter 10	○	○
14	"INS2-P1"	Insertion Effect 2 Parameter 1	○	○
:	:	:	:	:
29	"INS2P16"	Insertion Effect 2 Parameter 16	○	○
30	"CLFOSpd"	Common LFO Speed	○	×
31	"CLFO-D1"	Common LFO Depth1	○	×
32	"CLFO-D2"	Common LFO Depth2	○	×
33	"PorTime"	Portamento Time	○	×
34	"ELM-Lvl"	Element Level	○	×
35	"ELM-Pan"	Element Pan	○	×
36	"ELM-Dly"	Element Key On Delay	○	×
37	"ELFOSpd"	Element LFO Speed	○	×
38	"ELFO-PM"	Element LFO Pitch Modulation Depth	○	×
39	"ELFO-AM"	Element LFO Amplitude Modulation Depth	○	×
40	"ELFO-FM"	Element LFO Filter Modulation Depth	○	×
41	"PCH-Crs"	Element Pitch Coarse	○	×
42	"PCH-Fin"	Element Pitch Fine	○	×
43	"PEG-Dpt"	Element Pitch EG Depth	○	×
44	"PEG-Hld"	Element Pitch EG Hold Time	○	×
45	"PEG-Atk"	Element Pitch EG Attack Time	○	×
46	" PEG-D1"	Element Pitch EG Decay1 Time	○	×
47	" PEG-D2"	Element Pitch EG Decay2 Time	○	×
48	"PEG-Rel"	Element Pitch EG Release Time	○	×
49	"AEG-Atk"	Element Amplitude EG Attack Time	○	×
50	" AEG-D1"	Element Amplitude EG Decay1 Time	○	×
51	" AEG-D2"	Element Amplitude EG Decay2 Time	○	×
52	"AEG-Rel"	Element Amplitude EG Release Time	○	×
53	"FEG-Dpt"	Element Filter EG Depth	○	×
54	"FEG-Hld"	Element Filter EG Hold Time	○	×
55	"FEG-Atk"	Element Filter EG Attack Time	○	×
56	" FEG-D1"	Element Filter EG Decay1 Time	○	×
57	" FEG-D2"	Element Filter EG Decay2 Time	○	×
58	"FEG-Rel"	Element Filter EG Release Time	○	×
59	"FLT-Frq"	Element Filter Cutoff Frequency	○	×
60	"FLT-Rez"	Element Filter Resonance	○	×
61	"HPF-Frq"	Element HPF Cutoff Frequency	○	×
62	"CLFO-D3"	Common LFO Depth3	○	×

YAMAHA [Music Synthesizer - seq.part] Date :06-SEP-2000
Model MOTIF6/7/8 MIDI Implementation Chart Version : 1.0

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1 - 16	1 - 16	Memorized
	Changed	×	×	
Mode	Default	×	×	
	Messages	×	×	
	Altered	**************	×	
Note Number		0 - 127	0 - 127	
	: True voice	**************		
Velocity	Note ON	O 9nH,v=1-127	O 9nH,v=1-127	
	Note OFF	× 9nH,v=0	× 9nH,v=0	
After Touch	Key's	O	O	
	Ch's	O	O	
Pitch Bend		O	O	
Control Change	0-121	O	O *1	
Prog Change		O 0 - 127	O 0 - 127	
	: True #	**************		
System Exclusive		O	O	
Common	: Song Pos.	O *2	O *1	
	: Song Sel.	O *2	O *1	
	: Tune	×	×	
System Real Time	: Clock	O *2	O *1,*2	
	: Commands	O *2	O *1	
Aux Messages	: All Sound Off	O	O	
	: Reset All Cntrls	O	O	
	: Local ON/OFF	O	O	
	: All Notes OFF	×	×	
	: Active Sense	×	×	
	: Reset	×	×	

Notes: *1 if MIDI Sync is midi
*2 if MIDI Control is on

send MMC(stop,deffered play,locate) if sync mode is MTC.
receive MTC quarter frame message if sync mode is MTC.

Mode 1 : OMNI ON , POLY   Mode 2 : OMNI ON ,MONO   O : Yes
Mode 3 : OMNI OFF, POLY   Mode 4 : OMNI OFF,MONO   × : No

YAMAHA [Music Synthesizer - synth.part] Date :06-SEP-2000
Model MOTIF6/7/8 MIDI Implementation Chart Version : 1.0

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	1 - 16 1 - 16	1 - 16 1 - 16	Memorized
Mode	Default Messages Altered	3 X **************	1 1 - 4(m=1) *2 X	Memorized
Note Number : True voice		0 - 127 **************	0 - 127 0 - 127	Transpose
Velocity	Note ON Note OFF	O 9nH,v=1-127 X 9nH,v=0	O v=1-127 X	
After Touch	Key's Ch's	X O	X O *1	
Pitch Bend		O	O *1	
Control Change	0,32 1,7,10,11 6,38 64 65 66 71-75 91,93 96-97 100-101 1-95	O O X O X X O O X X O	O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1 O *1	Bank Select Data Entry Sustain Sw Portamento Sw Sosutenuto Sound Controller Effect Depth RPN Inc,Dec RPN LSB,MSB Assignable Cntrl
Prog Change : True #		O 0 - 127 **************	O 0 - 127 0 - 127	
System Exclusive		O	O	
Common	: Song Pos. : Song Sel. : Tune	X X X	X X X	
System Real Time	: Clock : Commands	X X	O X	
Aux Mes-sages	: All Sound Off : Reset All Cntrls : Local ON/OFF : All Notes OFF : Active Sense : Reset	X X X X O X	O (120,126,127) O (121) X O (123-125) O X	
Notes:	*1 receive if switch is on. *2 m is always treated as "1" regardless of its value.			

Mode 1 : OMNI ON , POLY Mode 2 : OMNI ON ,MONO O : Yes
Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF,MONO X : No

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www.yamahasynth.com

Yamaha Manual Library (English versions only)
http://www2.yamaha.co.jp/manual/english/

M.D.G., Pro Audio & Digital Musical Instrument Division, Yamaha Corporation

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